

Revised

\$15.95



Jackill's STAR FLEET REFERENCE MANUAL

Ships of the Fleet Volume II



2

Written and Illustrated by
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First printing January 1993

10 9 8 7 6 5 4 3 2

Printed in United States of America





Dedication

To my parents
who have always been there for me

Intro Info

Welcome reader to the first edition of Jackill's Star Fleet Reference Manuals. The descriptions of these futuristic vessels are a critique of their abilities and are related in contemporary terms as accurately as possible. The technology described here can be compared to existing technologies in other books, on television and in the movies. Hopefully, the information herein will provide a base of knowledge allowing one to understand the advancements required to achieve this level of technology. The book is presented in a futuristic format for reading enjoyment and should not be confused with any material from that time period.

The information contained in this manual is as accurate as allowed due to Star Fleet's ongoing program of misinformation intended to confound and confuse the intelligence efforts of potentially threatening forces. For high-level accuracy, consult Star Fleet archives.

Although not all statistics are given, all descriptions, drawings and statistics are intended to familiarize the reader with these vessels. Numerical statistics, such as weight and length, are given with the highest degree of accuracy available at the time of publication.

Read on fellow traveler. I hope that the information provided will increase your understanding of Life, the Universe and Everything.

Jackill

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INTRODUCTION

Statistics

This is an overview of what some of the statistical information you will run across in this reference manual mean.



Acceleration Power: Is the value that a warp number is raised to to determine its speed as a multiple of light.

Acceleration Rate: Lists the various times it takes to accelerate the vessel through sublight speeds.

Acceleration Times: Lists the time it takes to accelerate from one warp value to the next. It should be noted that although an acceleration time may be given, the craft may not be designed to reach that speed without disintegration.

Beds: Lists the number of beds in the medical facility.

Bottom Profile: This profile is used for familiarization of the bottom view of the vessel.

Breakdown Rate: Is the amount of power in watts that will eventually break down the shields if applied constantly.

Bridge: Lists the number of detention cells.

Cargo Specification: Lists the number of standard cargo units and the cargo capacity of all the containers.

Category: Lists the general classification of the ship such as frigate, destroyer, freighter, etc.

Class Emblem: Each ship class is given a distinct logo design to represent the entire class.

Classification: Lists the exact designation of the craft, such as *auxiliary frigate* or *attack frigate*.

Class: Is the name assigned to distinct vessel designs to distinguish one design from another. An example being one heavy cruiser from another heavy cruiser design.

Cloaking Device: Lists if the vessel is equipped with a cloaking shield.

Computers: Lists the number and type of computers onboard.

Cross Section: This cut away view is used for general familiarization of the interior arrangement of the vessel.

Cross Section Area: Lists the optimum cross section area that the warp field has for each profile.

Destructive Symbol: Is the speed at which the vessel will start to tear apart due to excessive stress.

Dimensions: Listed in meters for various parts of the ship from the primary hull to the propulsion systems.

Doctors: Lists the number of medical doctors that are normally onboard.

Duration: Is given for both standard years between upgrades and maximum maximum years until the craft must be rebuilt.

ECM Index: Is given as general guide to the craft's ability to evade detection. The index norm is based on the Heavy Cruiser.

Emergency Condition: Is the additional number of people that the craft can carry in an emergency.

Emergency Speed: Lists the fastest that the craft can travel for very short periods of time. The longer the craft travels at this speed the more the engines and hull are damaged.

Field Height: Is the optimum warp field height listed in meters.

Field Length: Is the optimum warp field length listed in meters.

Field Width: Is the optimum warp field width listed in meters.

Front Profile: This profile is used for familiarization of the front view of the vessel.

General Information: Is used to deliver additional information about the vessel.

Holdoff Power: Is given in watts and determines the power level that will touch the shields.

Hz (Hertz): Cycle per second.

Impulse Engine Output: Lists the engine output in watts.

Impulse Power Index: Is given as general guide to the vessel's overall impulse power. The index norm is based on the Heavy Cruiser.

Impulse Unit: Lists the impulse engine model number.

Laboratories: Lists the number of individual laboratories.

Max. Cruising: Lists the maximum speed that the impulse drive can propel the vessel.

Maximum Speed: Lists the fastest that the vessel can travel for sixty seconds before complete engine destruction.

Max. Safe Cruising: Lists the warp that the vessel can travel without substantial decrease in handling and safety. This speed is the fastest that the craft can travel without damaging the engines.

Medical Facilities: List the statistics of the medical facility.

Model: Is a Roman numeral that is distinct to each vessel category for each type/class.

Naval Construction Contract: Lists the number vessels assigned to that particular vessel series for construction and vessel registration.

Number Constructed: Lists how many vessels have been built.

Number in Service: Lists how many vessels are on active duty.

Number Lost: Lists how many vessels have been destroyed or decommissioned for various reasons.

Number Proposed: Lists the number of vessels that are to be built.

Navies: Lists the number of navies that are normally aboard.

Operating Rooms: Lists the number of fully equipped operating rooms.

Optimum Speed: Lists the warp that the vessel travel with the best fuel-distance ratio with minimal wear to the engines.

Output: Listed in watts for each shot for both burst and continuous fire, if available.

Passengers: Lists the number of passengers that the craft may carry.

Port Profile: This profile is used for familiarization of the port view of the vessel.

Phase Power Index: Is given as general guide to the vessel's phase power. The index norm is based on the Heavy Cruiser.

Photon Power Index: Is given as general guide to the vessel's photon impedo power. The index norm is based on the Heavy Cruiser.

Primary Reactor Output: List the output of the primary power source in watts.

Range: Is the weapons' effective range.

Rate of Fire: Lists the number of shots per minute that the weapon is able to fire.

Rear Profile: This profile is used for familiarization of the rear view of the vessel.

Rebreath Rate: Is given in units and shows how fast the shields will replenish themselves.

Replicators: Lists the vessel's ability to create materials and equipment.

Secondary Reactor Output: List the output of the secondary power source in watts.

Sensor Index Value: Is a general guide to the vessel's sensor abilities. The index norm is based on the Heavy Cruiser.

Shield Dimensions: Listed in meters for the normal operating dimensions of the shields.

Shield Index: Is given as general guide to the vessel's overall shield power. The index norm is based on the Heavy Cruiser.

Shield Rating: Lists the specification of the shields.

Ship Name: Is an alphabetical listing along with their naval construction contract numbers for the vessels that have been authorized for construction.

Shuttlecraft Bay: Listed below are the general dimensions for each category of shuttlecraft bay.

Small Bay: Landing area dimensions of 20-800 sq.m with a normal deck height of 2.4-6 meters. Vehicle storage area dimensions of 20-800 sq.m with a normal deck height of 2.4 meters.

Medium Bay: Landing area dimensions of 800-2000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 800-2000 sq.m with a normal deck height of 2.4 meters.

Large Bay: Landing area dimensions of 2000-10000 sq.m with a normal deck height of 6-10 meters. Vehicle storage area dimensions of 2000-10000 sq.m with a normal deck height of 2.4-3.2 meters.

Super Bay: Landing area dimensions of 10000+ sq.m with a normal deck height of 6-12 meters. Vehicle storage area dimensions of 10000+ sq.m with a normal deck height of 2.4-4.8 meters.

Shuttlecraft Specifications: Lists the number of docking ports, shuttlecraft bays, number and type of shuttlecrafts and lifeboats.

Shadows: Is given for both recognition and to show the vessel's target area from various profiles. The smaller the area, the harder the ship is to target from that profile. The area values do not take into consideration the vessel's electronic countermeasures.

Side Comparison: Gives port views for a comparison of the vessel's size in relation to other vessels.

Speed vs. Time: Is a graph that shows warp speed vs. time.

Std. Ship Complement: Is the standard number of crew members for the vessel. The listing is broken up into Officers, Crew and Troops.

Stock: Is given if the weapon has a finite supply of shots.

Telemetry: Lists the number of communication channels available for transmission of data and the power output of those transmissions listed in watts.

Top Profile: This profile is used for familiarization of the top view of the vessel.

Weapon Energy Area: Is created by adding the top, port and front areas to give a generalization of the vessel's overall target size.

Tractor Beam Specifications: Uses a tractor beam load calculator to calculate mass vs. tonnage at each warp speed (see Tractor Beam on page SR041 SR01:01:01 for information on how to use).

Weapon Status: Is given for both the max. range and tow capacity.

Weapons: Lists the total number and type of units.

Type: Is a general term used to categorize the craft's abilities.

Class: Is used for starships that are designed with flexibility in their operating parameters.

Class 1: Is used for support ships that are designed for a specific mission and have much flexibility in their design.

Class 2: Is used for space station and habitable space facilities. The general rule is that the complex has recreational facilities and permanent residences.

Class 3: Is used for space facilities such as dry docks and refineries, generally not used as habitable environments.

Class 4: Is used for shuttlecraft and small support vessels.

Class 5: Is used for automated craft and facilities with little or no habitable environment provided for in the design.

Class 6: Is used to designate non-powered, space-going vessels such as cargo containers.

Class 7: Is used to designate items such as torpedoes, probes and buoys.

Weapon Power Index: Is given as general guide to the craft's overall weapon power. The index norm is based on the Heavy Cruiser.

Warp Engine Output: Lists the intermix chamber output in watts.

Warp Field: Shows the field curvature around the vessel at optimum field configuration. The more slender the lateral field the less energy needed to propel the craft through space.

Warp Power Index: Is given as general guide to the craft's overall warp power. The index norm is based on the Heavy Cruiser.

Warp Speed/Power Graph: Is a two-sided graph used to show the power consumption based on the speed of the vessel.

Warp Unit: Lists the warp drive model number.

Weapon (Type) Total: Gives the number of banks/bays and how many phasers/tubes per bank/bay. A weapon location is given for the position of each weapon facing and can be used as a general guide of the weapon's angle of attack.



LIGHT CRAFT

General Information

A large number of small support vehicles are required by Starfleet in order to carry out various missions such as construction, transportation and defense. Shuttlecraft are predominantly designed for specific mission requirements in order to create the smallest, most effective package.

Shuttles are sometimes very useful for moving small groups of people when transporters can not be used for one reason or another.

Size Comparison



WorkBee



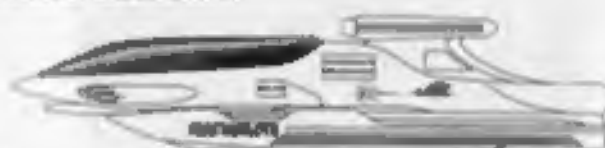
Assault Shuttle



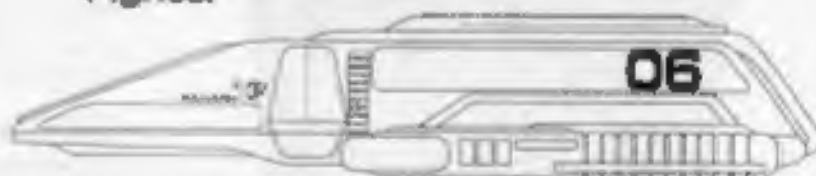
DuelBee



Fighter



Assault Bee



Heavy Shuttlecraft

Super Bee



Shuttlepod



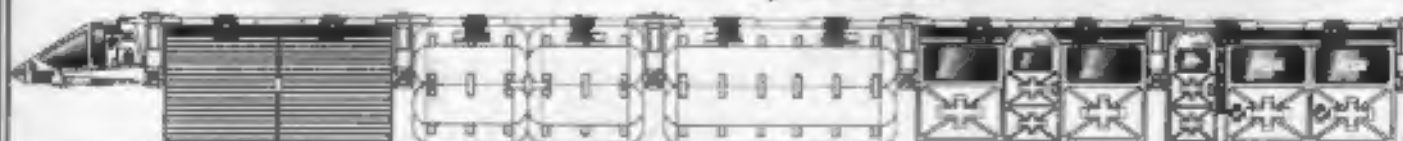
Killer Bee



Survey Shuttle



WorkBee Train



ASSAULT SHUTTLE



General Information

Specific Role: The Assault Shuttlecraft is the main small craft deployed by the United Federation of Planets Peace Keeping Forces (Starfleet Marines) for an assault role. The Shuttle's role is two fold: point assault and the delivery of assault troops through the large door located to the rear of the vessel.

Physical Description: The hull is shaped in a long wedge and it is equipped with three doors. Two of the doors are located one on either side of the crafts forward section and the third serves as a sliding hatch that opens the rear section completely. Positioned on both sides of the shuttle are (SMDN5/3-8) navigational sensor arrays. This shuttle is equipped with both (BP1/12-5S) phasers and (PB1/12-8W) photon missiles. The phasers are mounted both port and starboard just forward of the main hatches and the photon missile launchers are installed below on the lower hull. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by (SW7/1-4ED) micro-nacelles which are mounted on each side of the hull.

Class Emblem



Statistics

Category: Assault Shuttle
Class: Imp
Type: Class 5
Model: MK-VI
Rear Construction Contract: AS-11

Dimensions:
Overall Dimensions (Meters)
Length: 9.916m
Width: 4.021m
Height: 2.525m
Displacement (Metric Tons)
Light: 5.08mt
Standard: 5.63mt
Full Load: 6.47mt

Performance:
Impulse Drive: Dual Unit (ID35E4-UP)
Impulse Engine Output: 6.5×10^8 W
Max Cruising: C
Acceleration Rate:
0.00-0.25 Impulse: 0.125 sec
0.25-0.50 Impulse: 0.187 sec
0.50-0.75 Impulse: 0.250 sec
0.75-Full Impulse: 0.312 sec
Warp Units: 2 Nacelle Units (SKDN1-SBX)
Warp Engine Output: 1.8×10^7 W
Optimum Speed: Warp 2
Max. Safe Cruising: Warp 3
Emergency Speed: Warp 4
Max. Speed: Warp 4.2
Destructive Speed: Warp 4.5
Acceleration Power: 3.0
Acceleration Times:
Warp 1 - Warp 2: 2.205 sec
Warp 2 - Warp 3: 2.088 sec
Warp 3 - Warp 4: 5.116 sec
Warp 4 - Warp 5: N/A
Warp 5 - Warp 6: N/A
Warp 6 - Warp 7: N/A
Warp 7 - Warp 8: N/A
Warp 8 - Warp 9: N/A
Warp 9 - Warp 9.5: N/A
Warp 9.5 - Warp 9.75: N/A
Warp 9.75 - Warp 9.9: N/A

Duration (Years)
Standard: 5 Years
Maximum: 20 Years
Std. Ship Complement: 1
Crew: 1
Passenger: 0
Emergency condition: +4
Transportation Total: 1
1 Person: 0
3 Person: 1
9 Person: 0
Small Cargo: 0
Medium Cargo: 0

Traction Beams: 1
Tow Capacity: 4.90×10^{12} wt
Max Range: 0.83×10^{11} km
Cargo Specifications:
Standard Cargo Units: N/A
Cargo Capacity: N/A
Shuttlecraft Specifications:
Docking Ports: 0
Cloaking Devices: 0
Sensor Index Values:
Planetary Survey: 1.354
Stellar Survey: 0.942
Short Range: 1.158
Long Range: 1.100
Navigation: 0.975
Special: 1.145

Computers: 2
Type: Norray-Magne 18'u
Type: Norray-Magne 14'g
Shield Rating:
Holdoff Power: 4.08×10^8 W
Refresh Rate: 1.48×10^8 W
Breakdown Rate: 1.75×10^8 W
Shield Dimensions (Meters)
Length: 11.88m
Width: 4.826m
Height: 3.03m

Weapons:
Weapon Placement:
Beam (Phasers) Total: 2 Mounts
Output: 5.0×10^8 W / 2.8×10^8 W
Range: 2.5×10^3 km
Rate of Fire: 30 ppm / Cont.
Forward Banks: 1
Rear Banks: 0
Port Banks: 0
Starboard Banks: 0
Upper Banks: 0
Lower Banks: 0
Beam (Heavy Phasers) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Forward/Rear Banks: 0
Port/Starboard Banks: 0
Upper/Lower Banks: 0
Missile (Photon) Total: 2 Tubes
Stock: 30
Range: 2.0×10^3 km
Output: 5-11 Megatons
Rate of Fire: 10 ppm
Forward Bay: 2
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

Craft Silhouettes

Total Target Area 89.80 m²



Top Silhouette
Area 31.08 m²



Port Silhouette
Area 18.09 m²



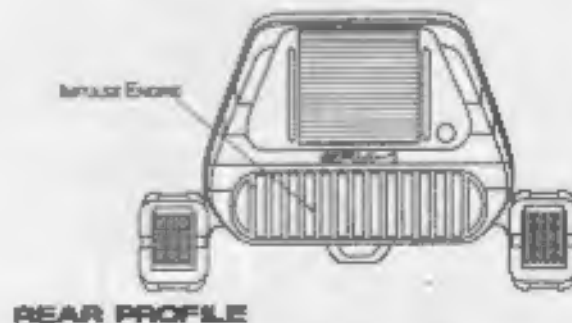
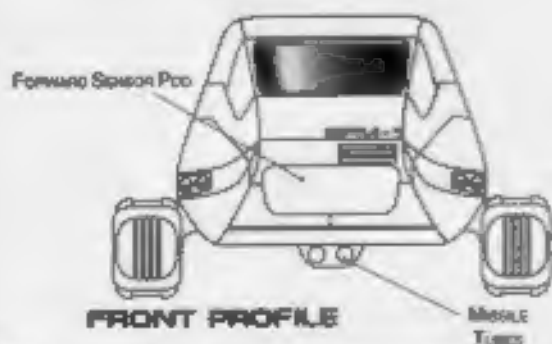
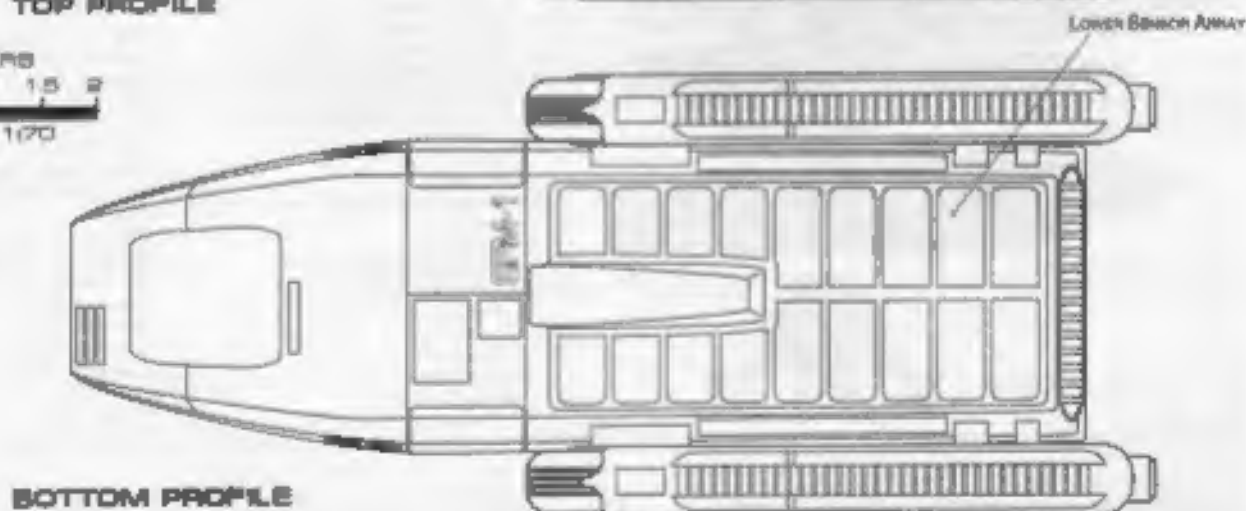
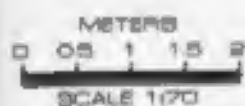
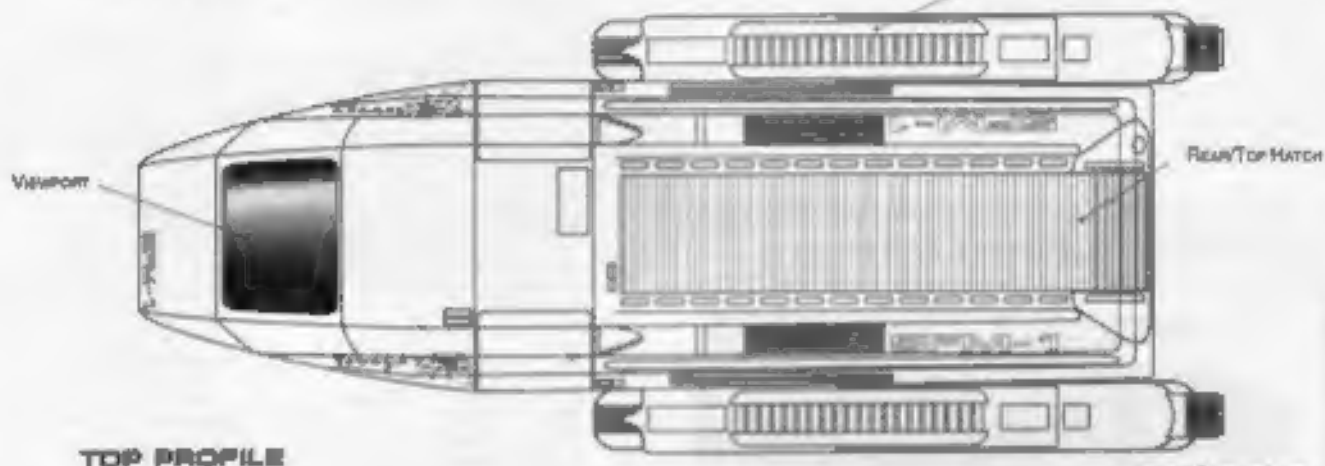
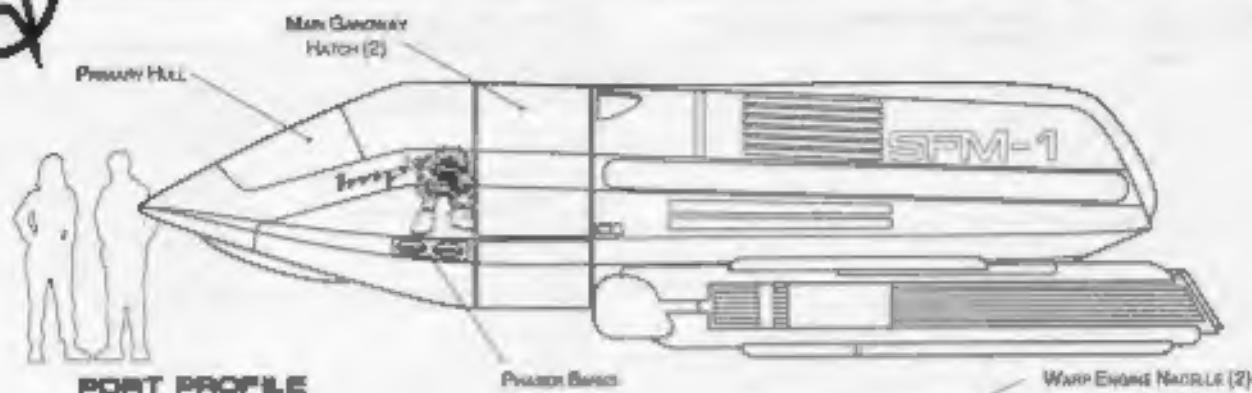
Front Silhouette
Area 8.38 m²



ASSAULT SHUTTLE

IMP CLASS

FEDERATION CRAFT



FIGHTER



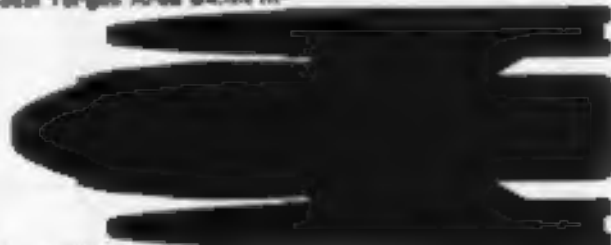
General Information

Specific Role: The Fighter's mission is a precision assault and zone protection. The fighter is designed to be crewed by a pilot, navigator and weapons officer. For the purposes of starship engagement the fighter has been designed to operate at high warp speeds for short periods of time.

Physical Description: The fighter's hull is sleek teardrop shape. The crew, seated in the cockpit, is covered by a full canopy. A (SMDN22/3-7) navigational sensor assembly is slung under the rear portion of the craft. The fighter is equipped with (BP1/12-5F) phaser cannons, (BP2/24-2J) heavy phaser cannons, and (PB1/12-8A) photon missiles. Phasers are mounted on either side of the hull just below the canopy, and heavy phasers are mounted directly below the cockpit. The photon missile tube pod is mounted on top of the dorsal fin. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by (SW15/1-2GF) micro-nacelles which are mounted on each side of the hull.

Craft Silhouettes

Total Target Area 94.44 m²



Top Silhouette

Area 40.08 m²



Port Silhouette

Area 18.04 m²



Front Silhouette

Area 6.32 m²

Statistics

Classification: Fighter

Category: Fighter

Class: Hornet

Type: Class 5

Model: MC-VII

Naval Construction Contract: SF-11

Dimensions:

Overall Dimensions (Meters)

Length: 11.51m

Width: 4.44m

Height: 3.00m

Displacement (Metric Tons)

Light: 6.16mt

Standard: 6.84mt

Full Load: 7.86mt

Performance:

Impulse Units: Dual Pack (IP35E/4-10)

Impulse Engine Output: 9.9×10^8 W

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.109 sec.

0.25-0.50 Impulse: 0.165 sec.

0.50-0.75 Impulse: 0.220 sec.

0.75-Full Impulse: 0.274 sec.

Warp Units: 2 Nacelle Units (SB4/1-3TH)

Warp Engine Output: 3.1×10^{12} W

Optimum Speed: Warp 6

Max. Safe Cruising: Warp 7

Emergency Speed: Warp 8

Max. Speed: Warp 8.4

Destructive Speed: Warp 9.5

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 0.130 sec.

Warp 2 - Warp 3: 0.208 sec.

Warp 3 - Warp 4: 0.831 sec.

Warp 4 - Warp 5: 1.134 sec.

Warp 5 - Warp 6: 1.213 sec.

Warp 6 - Warp 7: 1.311 sec.

Warp 7 - Warp 8: 1.682 sec.

Warp 8 - Warp 9: 2.406 sec.

Warp 9 - Warp 9.5: 5.347 sec.

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 2 Years

Maximum: 4 Years

Std. Ship Complement: 3

Crew: 3

Passengers: 0

Emergency condition: +0

Transmission Total: 0

1 Person: 0

3 Person: 0

4 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 3.20×10^4 mt

Max Range: 3.30×10^3 km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1.548

Stellar Survey: 0.955

Short Range: 1.125

Long Range: 1.060

Navigation: 0.982

Special: 1.948

Computers: 2

Type: Norray-Magne 22-d

Type: Norray-Magne 13-d

Shield Rating:

Holdoff Power: 4.72×10^8 W

Refresh Rate: 1.34×10^8 W

Breakdown Rate: 1.81×10^8 W

Shield Dimensions (Meters)

Length: 13.21m

Width: 5.33m

Height: 3.00m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 2 Mounts

Output: 5.0×10^{10} W / 2.6×10^8 W

Range: 2.5×10^5 km

Rate of Fire: 30 ppm / Com.

Forward Banks: 2

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Heavy Phasers) Total: 1

Output: 7.5×10^{10} W / 3.75×10^8 W

Range: 4.0×10^5 km

Rate of Fire: 20 ppm / Com.

Forward/Rear Banks: 1

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photons) Total: 3 Tubes

Stock: 90

Range: 2.0×10^5 km

Output: 5-11 Megajoules

Rate of Fire: 10 ppm

Forward Bay: 3

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Class Emblem



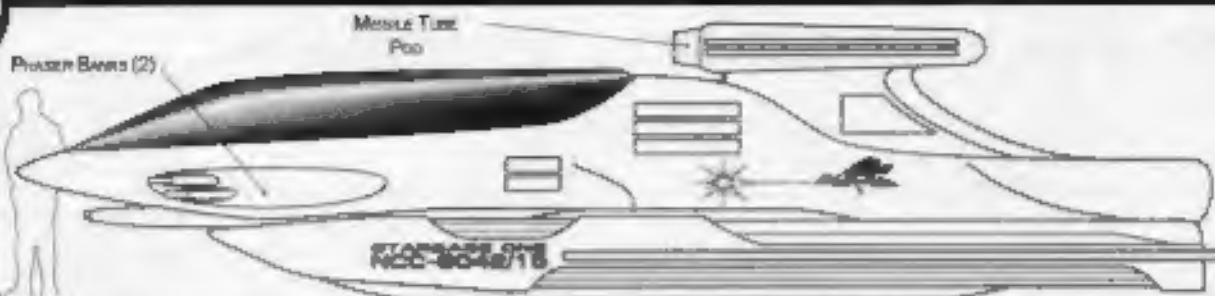
Hornet Class
Fighter



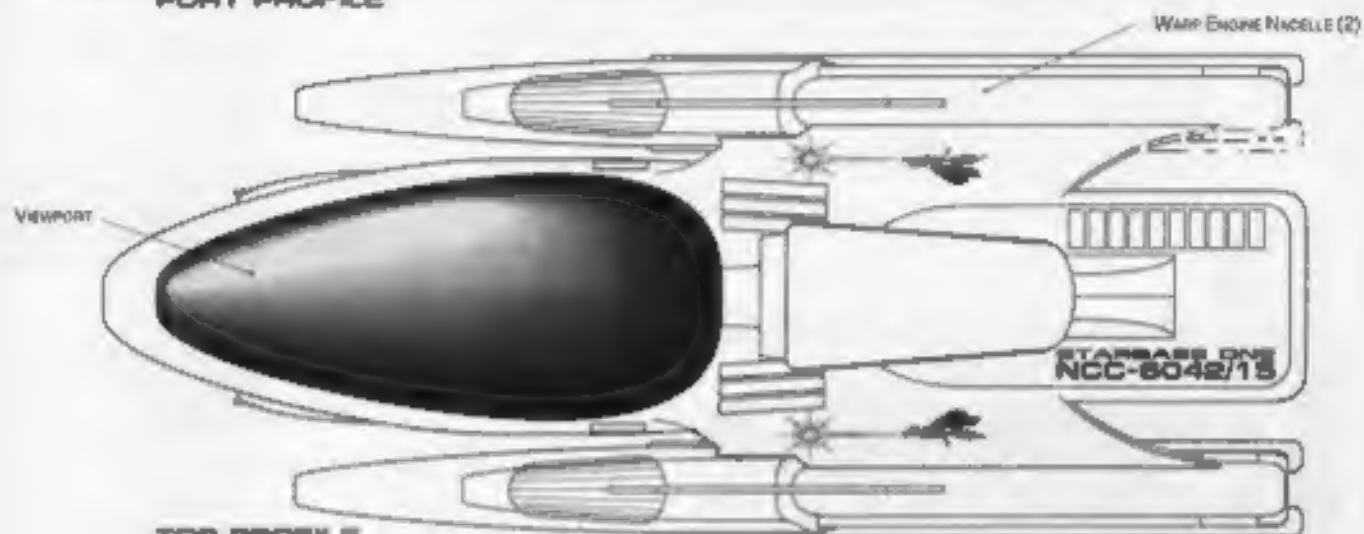
FIGHTER

HORNET CLASS

FEDERATION CRAFT

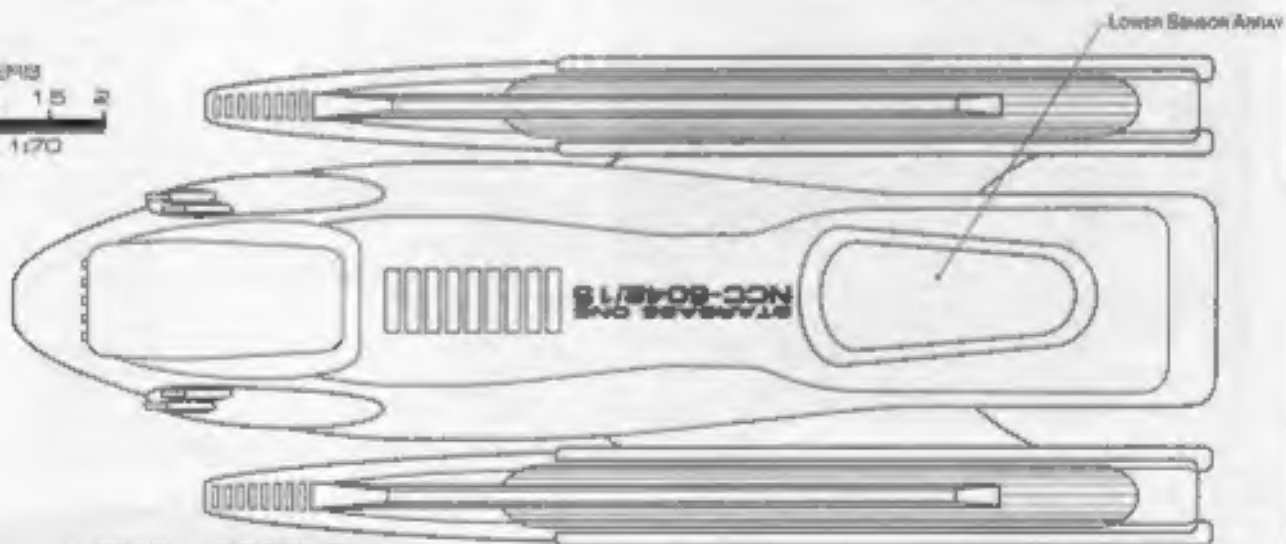


PORT PROFILE

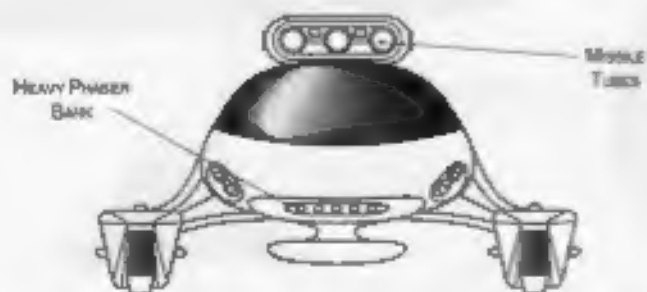


TOP PROFILE

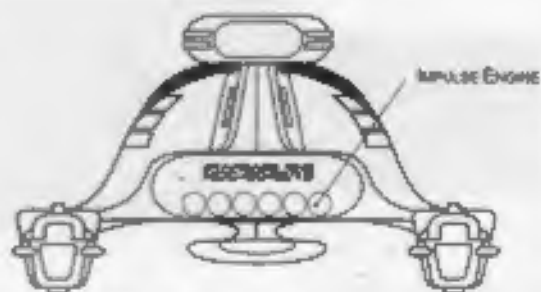
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BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE

HEAVY SHUTTLECRAFT



General Information

Specific Role: The Heavy Shuttlecraft is used when a standard shuttlecraft is not large enough to meet the mission requirements. The Shuttle is useful for a diverse number of missions due to its very large interior space, extreme range, speed and versatility.

Physical Description: The hull is a large wedge and is equipped with two doors. An access hatch is located on the port side of the shuttlecraft, and an emergency hatch is located on the top of the craft. Positioned on either side of the shuttle are (SMDN25/7-4) navigational sensor arrays. The shuttle is equipped with a (BP2/24-3B) heavy phaser mounted in the top cowling. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the craft. Warp power is provided by (SW52/1-5MK) micro-nacelles which are mounted on each side of the hull.

Class Emblem



Statistics

Classification: Heavy Shuttlecraft

Category: Shuttlecraft

Class: Aladdin

Type: Class 5

Model: MK-X

Naval Construction Contract: NS-11

Dimensions:

Overall Dimensions (Meters)

Length: 18.17m

Width: 7.02m

Height: 3.71m

Displacement (Metric Tons)

Light: 12.20mt

Standard: 13.50mt

Full Load: 15.50mt

Performance:

Impulse Units: Dual Unit (RP75E41P)

Impulse Engine Output: 1.3×10^6 W

Max Cruising: 0

Acceleration Rate:

0.00-0.25 impulse: 0.144 sec.

0.25-0.50 impulse: 0.216 sec.

0.50-0.75 impulse: 0.288 sec.

0.75-Full impulse: 0.360 sec.

Warp Units: 2 Nacelle Units (SW18/1-4A3)

Warp Engine Output: 2.5×10^7 W

Optimum Speed: Warp 3

Max. Safe Cruising: Warp 4

Emergency Speed: Warp 4.5

Max. Speed: Warp 4.9

Destructive Speed: Warp 5.2

Acceleration Power: 3.0

Acceleration Times:

Warp 1 - Warp 2: 2.572 sec.

Warp 2 - Warp 3: 3.136 sec.

Warp 3 - Warp 4: 5.968 sec.

Warp 4 - Warp 5: 10.231 sec.

Warp 5 - Warp 6: N/A

Warp 6 - Warp 7: N/A

Warp 7 - Warp 8: N/A

Warp 8 - Warp 9: N/A

Warp 9 - Warp 9.5: N/A

Warp 9.5 - Warp 9.75: N/A

Warp 9.75 - Warp 9.9: N/A

Duration (Years)

Standard: 5 Years

Maximum: 20 Years

Std. Ship Complement: 1

Crew: 1

Passengers: 16

Emergency condition: +10

Transports Total: 1

1 Person: 0

2 Person: 1

3 Person: 0

Small Cargo: 0

Medium Cargo: 0

Tractor Beams: 1

Tow Capacity: 7.82×10^4 mt

Max Range: 9.35×10^4 km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 1,272

Stellar Survey: 0.888

Short Range: 1,123

Long Range: 1,138

Navigation: 0.997

Special: 1,142

Computers: 2

Type: Norray-Magne 21n

Type: Norray-Magne 17a

Shield Rating:

Meldoff Power: 5.95×10^6 W

Refresh Rate: 2.34×10^6 W

Breakdown Rate: 2.01×10^6 W

Shield Dimensions (Meters)

Length: 18.17m

Width: 7.02m

Height: 3.71m

Weapons:

Weapon Placement:

Beam (Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward Banks: 0

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Heavy Phasers) Total: 1

Output: 7.5×10^{10} W / 3.75×10^9 W

Range: 4.0×10^5 km

Rate of Fire: 20 ppm / Cont.

Forward/Rear Banks: 1

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Block: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area 180.84 m²



Top Silhouette

Area 74.12 m²



Port Silhouette

Area 26.09 m²



Front Silhouette

Area 11.44 m²

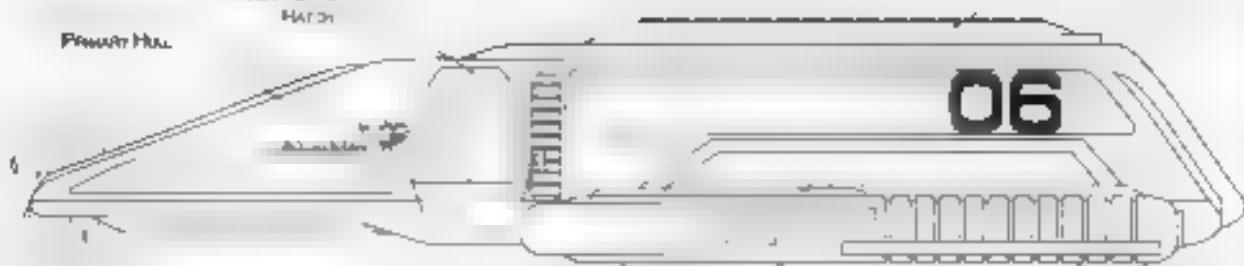


HEAVY SHUTTLECRAFT

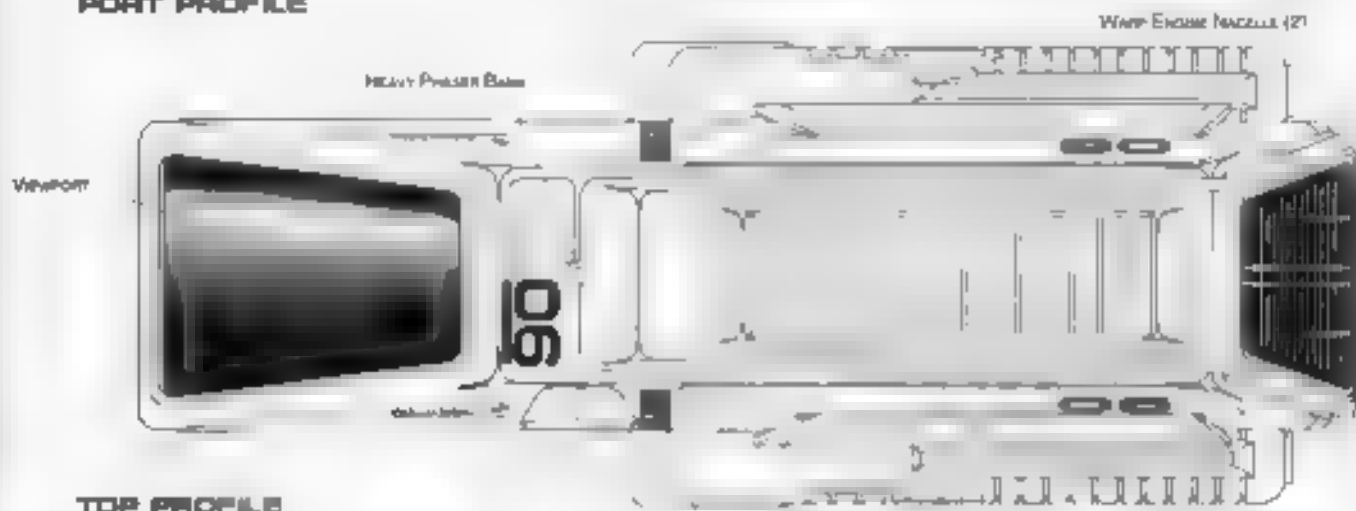
ADDIN CLASS

Primary Hall
Main Gangway Hatch

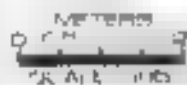
Upper Sensor Array



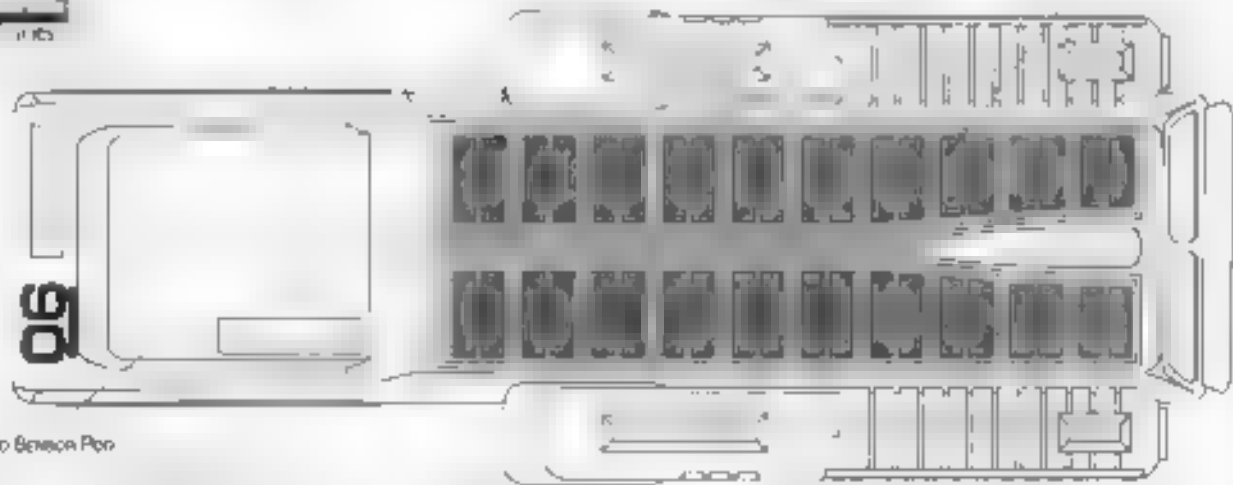
PORT PROFILE



TOP PROFILE

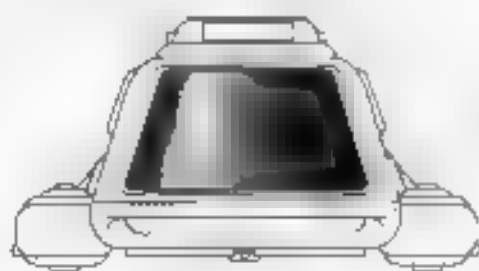


Lower Sensor Array



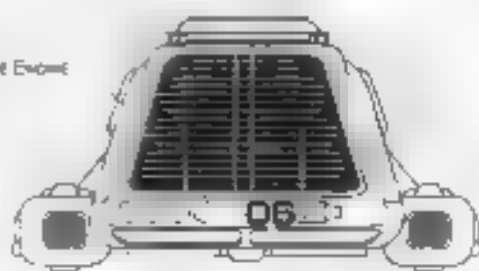
Forward Sensor Pod

BOTTOM PROFILE



FRONT PROFILE

Warp Engine



REAR PROFILE

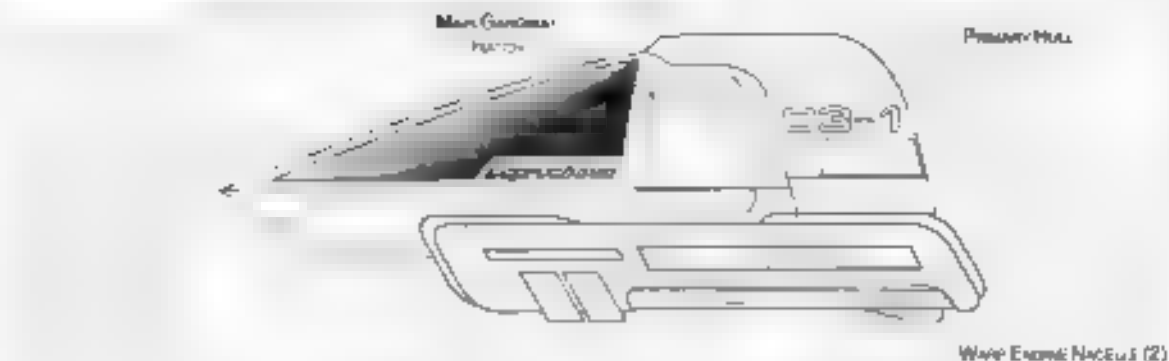
REPRODUCTION CRAFT



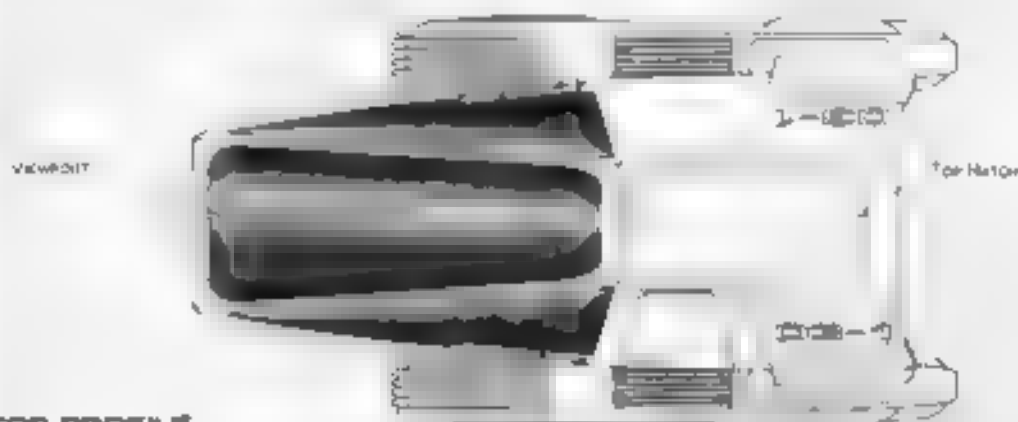
SHUTTLEPOD

LEPRECHAUN CLASS

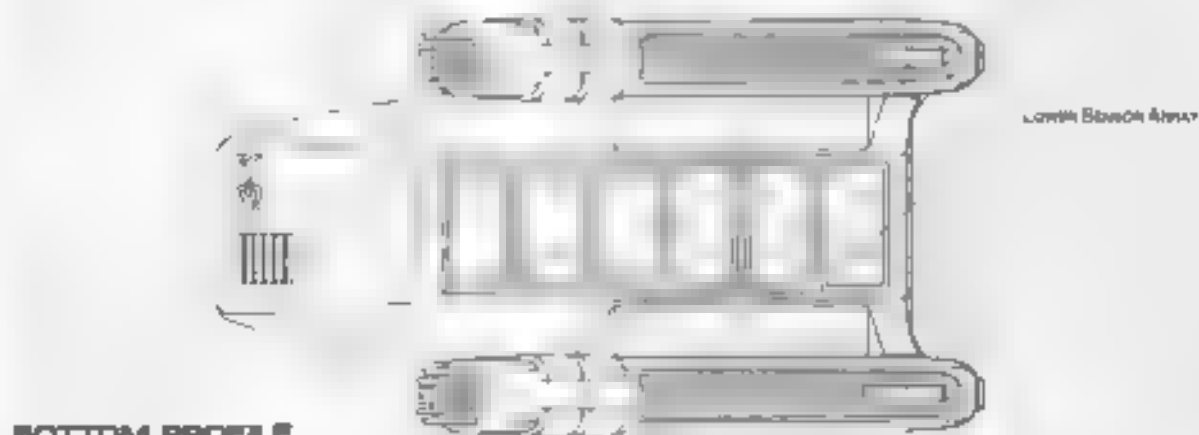
FEDERATION CRAFT



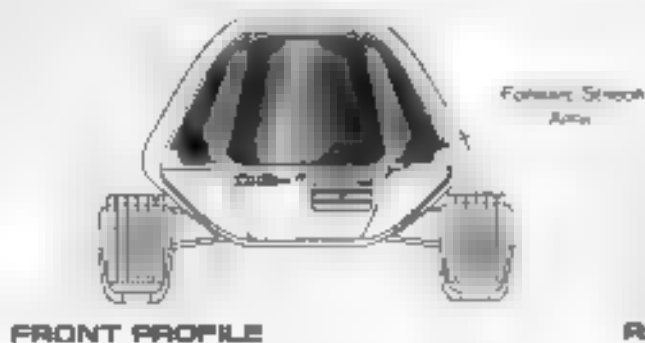
PORT PROFILE



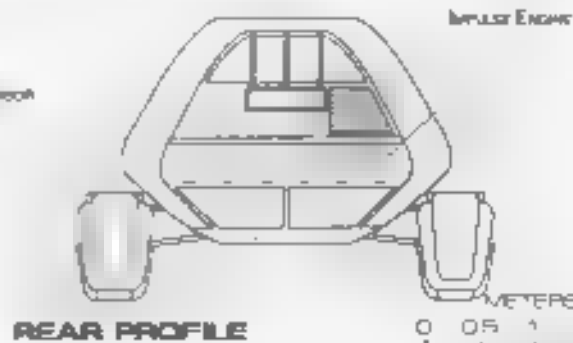
TOP PROFILE



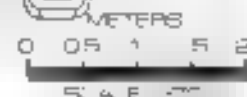
BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE



SURVEY SHUTTLE



General Information

Specific Role The Survey Shuttlecraft is designed as a research shuttlecraft whose primary mission is extensive exploration. The Shuttle's mission is made easier by its large interior space, range and multiple sensor arrays.

Physical Description The hull is a long wedge shape and is equipped with extensive sensors. Two SNI 4 ZAP sensors are integrated into the nacelles and the third is a SML22 2AP sensor array pod mounted on the upper hull. Positioned on either side of the shuttle are SMDN8/5 2 navigational arrays. The shuttle is equipped with one BL 16 10 phaser. Sublight propulsion is provided by the impulse drive system located on the lower rear section of the hull. Warp power is provided by (SW4 1 5N7) warp nacelles which are mounted on each side of the hull.

Class Emblem



Statistics

Classification Survey Shuttlecraft

Category Shuttlecraft

Class Marco Polo

Type class 5

Model V4 X

Naval Construction Contract SS-11

Dimensions

Overall Dimensions (Meters)

Length 4m

Width 4.0m

Height 3.2m

Displacement (Metric Tons)

Light 4.0t

Standard 4.52mt

Full Load 5.0mt

Performance

Impulse Drive Dual HX (EM7DQ-4C)

Impulse Engine Output 8x10⁶ W

Max Cruising

Acceleration Rate

0 00-0 25 Impulse 0.37 sec

0 25-0 50 Impulse 0.28 sec

0 50-0 75 Impulse 0.25 sec

0 75 Full Impulse 0.243 sec

Warp Drive 2 Nacelle Units - CV54/1 20E

Warp Engine Output 2x10⁶ W

Optimum Speed Warp 2

Max Safe Cruising Warp 3

Emergency Speed Warp 4

Max Speed Warp 4

Destructive Speed Warp 4.3

Acceleration Power 3.0

Acceleration Times:

Warp 1 Warp 2 0.40 sec

Warp 2 Warp 3 0.44 sec

Warp 3 Warp 4 0.52 sec

Warp 4 Warp 5 0.6

Warp 5 Warp 6 0.64

Warp 6 Warp 7 0.68

Warp 7 Warp 8 0.72

Warp 8 Warp 9 0.76

Warp 9 Warp 10 0.8

Warp 10 Warp 11 0.84

Warp 11 Warp 12 0.88

Warp 12 Warp 13 0.92

Warp 13 Warp 14 0.96

Warp 14 Warp 15 1.0

Warp 15 Warp 16 1.04

Warp 16 Warp 17 1.08

Warp 17 Warp 18 1.12

Warp 18 Warp 19 1.16

Warp 19 Warp 20 1.2

Warp 20 Warp 21 1.24

Warp 21 Warp 22 1.28

Warp 22 Warp 23 1.32

Warp 23 Warp 24 1.36

Warp 24 Warp 25 1.4

Warp 25 Warp 26 1.44

Warp 26 Warp 27 1.48

Warp 27 Warp 28 1.52

Warp 28 Warp 29 1.56

Warp 29 Warp 30 1.6

Warp 30 Warp 31 1.64

Warp 31 Warp 32 1.68

Warp 32 Warp 33 1.72

Warp 33 Warp 34 1.76

Warp 34 Warp 35 1.8

Warp 35 Warp 36 1.84

Warp 36 Warp 37 1.88

Warp 37 Warp 38 1.92

Warp 38 Warp 39 1.96

Warp 39 Warp 40 2.0

Warp 40 Warp 41 2.04

Warp 41 Warp 42 2.08

Warp 42 Warp 43 2.12

Warp 43 Warp 44 2.16

Warp 44 Warp 45 2.2

Warp 45 Warp 46 2.24

Warp 46 Warp 47 2.28

Warp 47 Warp 48 2.32

Warp 48 Warp 49 2.36

Warp 49 Warp 50 2.4

Traction Beam 1

Tow Capacity 4.80x10⁶mt

Max Range 6.21x10⁶km

Cargo Specifications:

Standard Cargo Units: N/A

Cargo Capacity: N/A

Shuttlecraft Specifications:

Docking Ports: 0

Cloaking Devices: 0

Sensor Index Values:

Planetary Survey: 158

Stellar Survey: 025

Short Range: 325

Long Range: 025

Navigation: 023

Special: 205

Complement: 2

Type: Navy-Magne 34.4

Type: Navy-Magne 3.0

Shield Rating:

Max Shield Power: 4.85x10⁶ W

Refresh Rate: 47x 0.6 W

Breakdown Rate: 72x10⁶ W

Shield Dimensions (Meters):

Length: 0.5m

Width: 0.4m

Height: 0.7m

Weapons:

Weapon Placement:

Beam (Phasers) Total: Mounted

Output: 0x10⁶ W 2.5x10⁶ W

Range: 2.5x10⁶ km

Rate of Fire: 20 ppm Cont

Forward Banks:

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Matter/Plasma) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Missiles (Photon) Total: N/A

Short: 0x10⁶ W

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

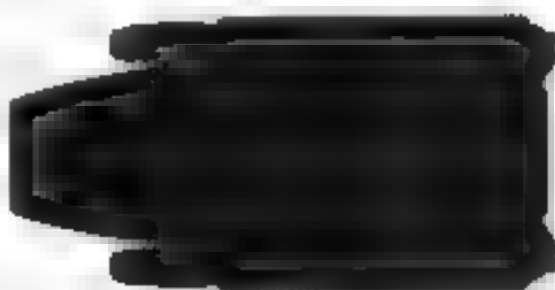
Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Craft Silhouettes

Total Target Area 78.38 m²



Top Silhouette

Area 43.84 m²



Port Silhouette

Area 82.44 m²



Front Silhouette

Area 9.28 m²

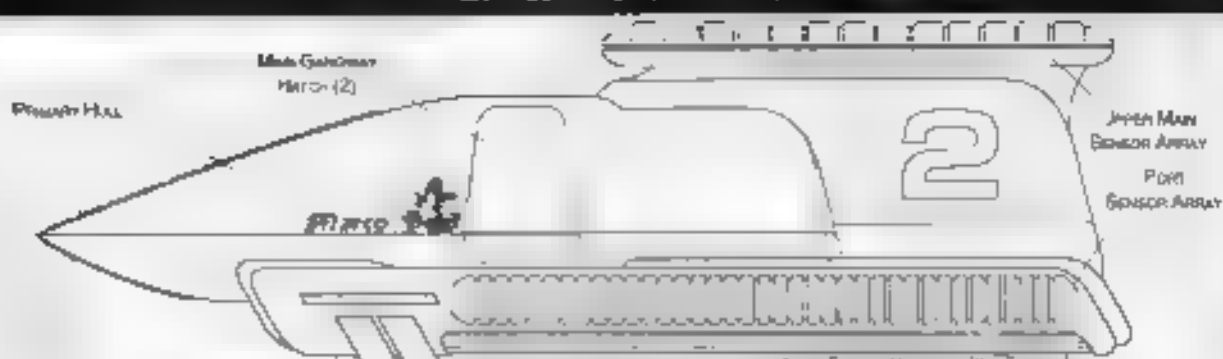


SURVEY SHUTTLE

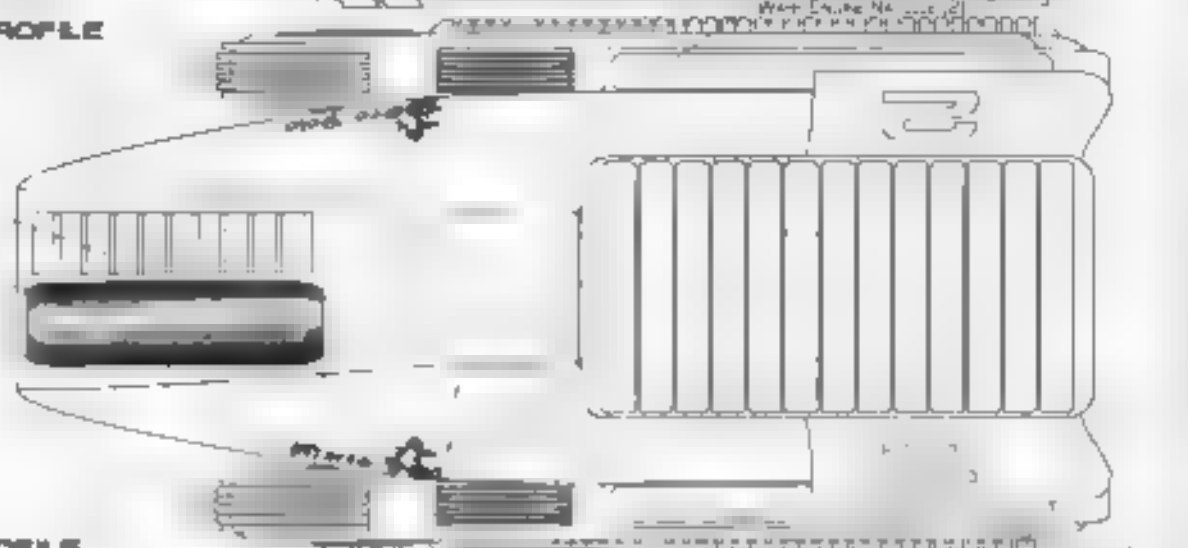
STARFLEET POLICE CRAFT

FEDERATION CRAFT

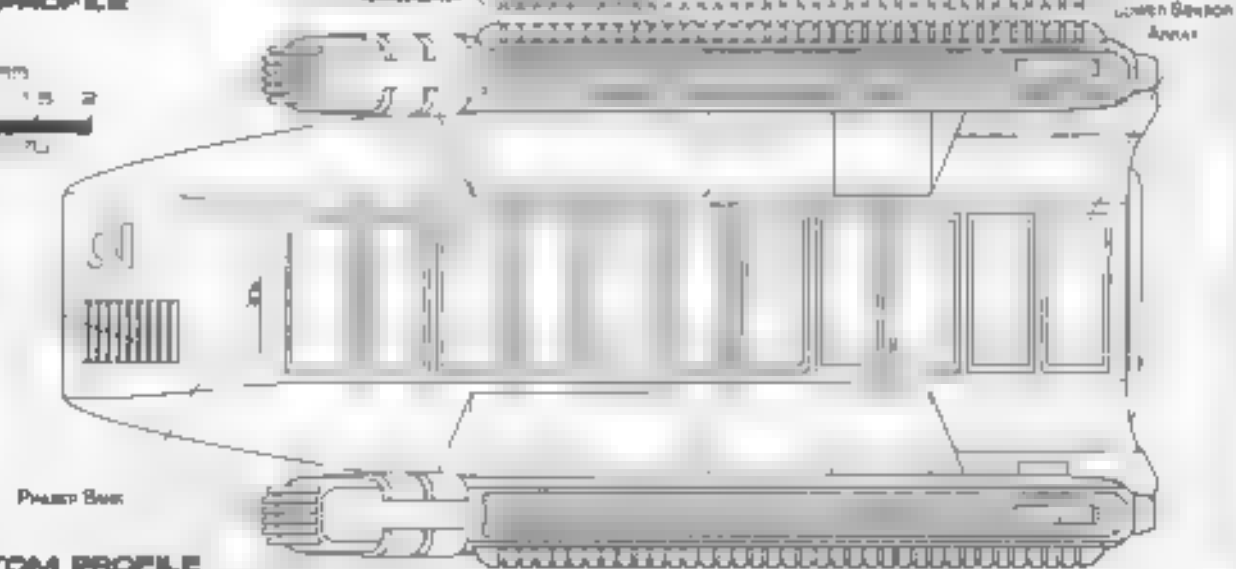
PORT PROFILE



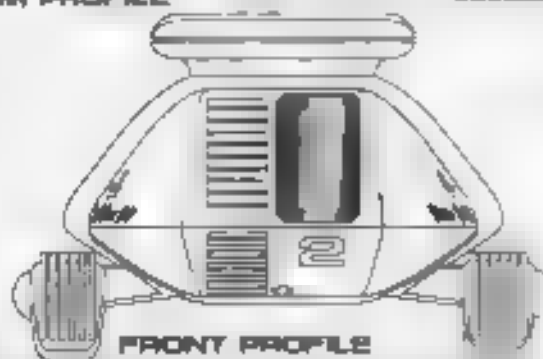
TOP PROFILE



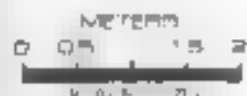
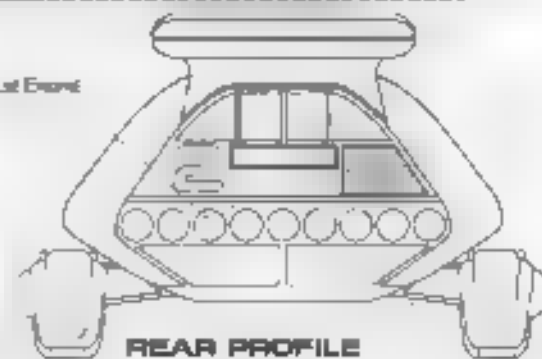
BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE



GENERAL UTILITY CRAFT



General Information

Specific Role: The WorkBee family of general utility vehicles are designed to fulfill almost all utility craft roles. This family of craft is based on a modular system built around the basic WorkBee vehicle.

WorkBee: The WorkBee is basically a single operator, general purpose cockpit with a rudimentary drive system. It has been designed to accommodate a whole range of modular components. The cockpit control system is automatically reconfigured with each new modular attachment. The WorkBee by itself is no more than a viewing cockpit, but with its modules attached it is able to perform various specific missions.

DualBee: The DualBee is a WorkBee with a two person cockpit. The DualBee is compatible with most WorkBee modules. Refer to WorkBee Attachment Compatibility Chart for exact compatibility with various attachments.

AssaultBee: The AssaultBee is a light weapons module that gives the Bee both weapons and warp capability.

SuperBee: The SuperBee module gives the Bee tractor beams, warp capability, and additional sensors and towing capacity. The SuperBee can still utilize most of the other modules. (Refer to WorkBee Attachment Compatibility Chart for exact compatibility with various attachments.)

KillerBee: The KillerBee module turns the Bee into a light fighter with phaser, photons, warp capability and additional sensors.

Cargo Train: The Cargo Train module allows multiple cargo pods to be chained together for transportation.

Passenger Train: The Passenger Train module allows multiple passenger and medical pods to be chained together for transportation.

Tanker Train: The Tanker Train module can be used for liquid or bulk transport.

Booster Pack: The Booster Pack gives the Bee additional towing capacity and minor warp capability.

Clamper Pack: The Clamper Pack allows the Bee to grasp and clamp objects.

Cutter Pack: The Cutter Pack gives the Bee an external fusion cutting torch.

Drone Pack: The Drone Pack contains an independent computer to perform operations that do not require an operator.

Floodlight Pack: The Floodlight Pack is used for large scale illumination.

Grabber Pack: The Grabber Pack allows the Bee to grasp and manipulate objects.

Heavy Booster Pack: The Heavy Booster Pack gives the Bee additional towing capacity and medium warp capability.

Sensor Pack: The Sensor Pack increases the Bees standard sensor range.

Spinner Pack: The Spinner Pack allows the Bee to spot weld and spool out cable.

Survey Pack: The Survey Pack allows the Bee to perform simple survey tasks.

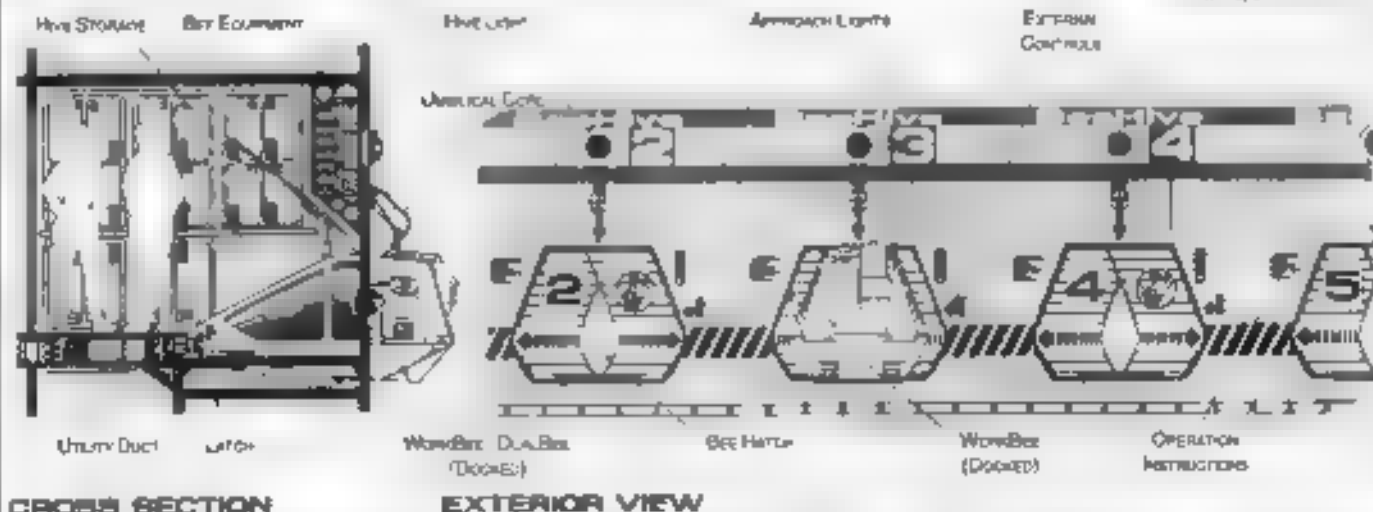
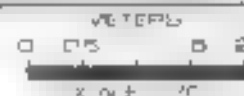
Tow Hitch Pack: The Tow Hitch Pack allows the Bee to physically tow objects.

Tractor Pack: The Tractor Pack gives the Bee a tractor beam.

Welder Pack: The Welder Pack gives the Bee an external precision welder.

Beehive: The beehive is an adaptable docking port for both DualBees and WorkBees.

Beehive [WorkBee/DualBee Docking Port]

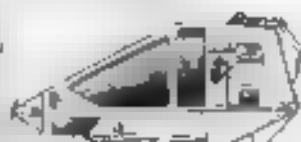


GENERAL UTILITY CRAFT

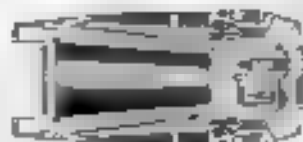


WorkBee

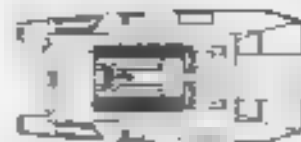
METERS
0 0.5 1 2
SCALE 70%



PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



FRONT PROFILE



REAR PROFILE

WorkBee

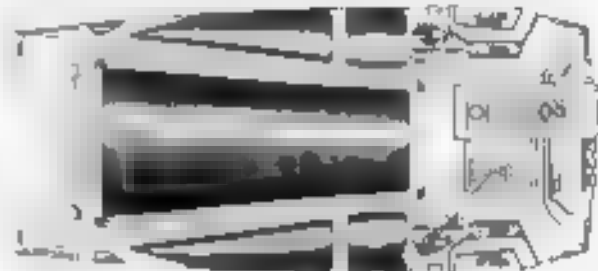
Enlarged for Clarity

METERS
0 0.5 1 2
SCALE 70%

SIDE PORTS

VIEWPORT
No. 11

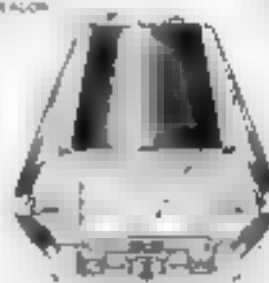
PORT PROFILE

Life Support
Equipment AccessREAR
VIEWPORT
No. 12

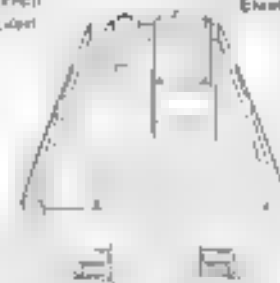
BOTTOM PROFILE

Communication
SystemPACKAGE ATTACHMENT
CONSOLE ONPACK ATTACHMENT
CONSOLE PLANTS

TOP PROFILE

Navigation
BlaconSHUTTLEPORT
MANEUVERLIFE-SUPPORT
EQUIPMENT

REAR PROFILE



FRONT PROFILE

Class Emblem



Craft Silhouettes

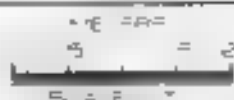
Total Target Area 8.88 m²Front Silhouette
Area 1.18 m²Port Silhouette
Area 0.82 m²Top Silhouette
Area 0.88 m²



GENERAL UTILITY CRAFT

WORKBEE CLASS

Side Ports



Viewport
Hatch

Reaction
Control
Thrusters

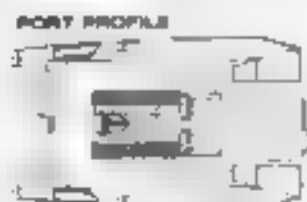
Navigation Beacon



TOP PROFILE

Impulse Engine

Package Attachment
Control Top

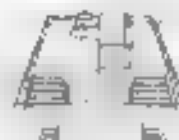


PORT PROFILE



FRONT PROFILE

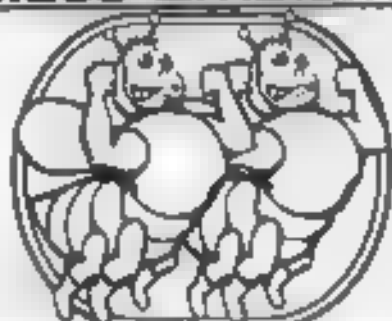
Shuttered
Headlight



REAR PROFILE

BOTTOM PROFILE

Class Emblem



DualBee

Craft Silhouettes

Total Target Area 7.03 m²



Front Silhouette
Area 1.28 m²



Port Silhouette
Area 2.89 m²



Top Silhouette
Area 2.70 m²

AssaultBee

Side Ports



Viewport
Hatch

Navigation Beacon



TOP PROFILE

Assault Bee
Hull

PORT PROFILE

Warp Engine Nozzle (2)

Phalanx



BOTTOM PROFILE



FRONT PROFILE

Shuttered
Headlight



REAR PROFILE

Class Emblem



Craft Silhouettes

Total Target Area 10.08 m²



Front Silhouette
Area 1.28 m²



Port Silhouette
Area 3.89 m²



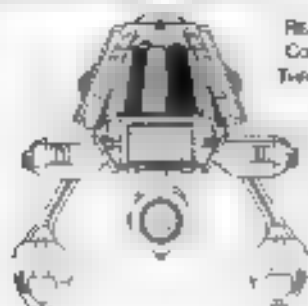
Top Silhouette
Area 5.89 m²

GENERAL UTILITY CRAFT

GENERAL UTILITY CRAFT



SuperBee

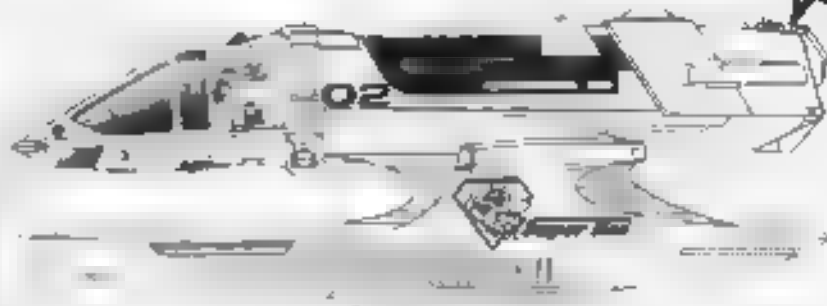


FRONT PROFILE

REACTION
CONTROL
THRUSTERS

WORKBEE

SUPERBEE HULL

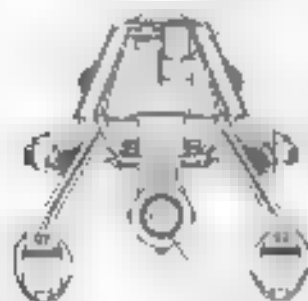


PORT PROFILE

REACTION
CONTROL
THRUSTERS

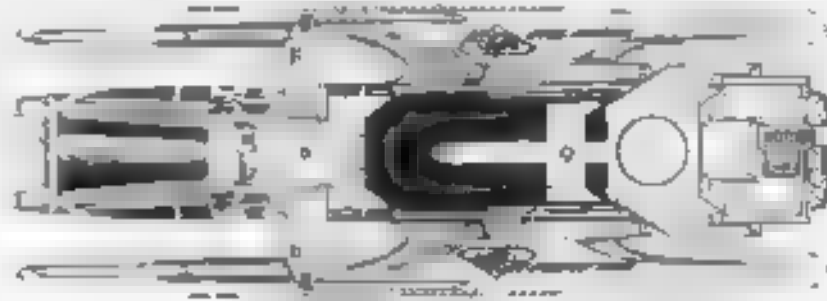
WARP ENGINE NACELLE (2)

REAR ATTACHMENT AREA



REAR PROFILE

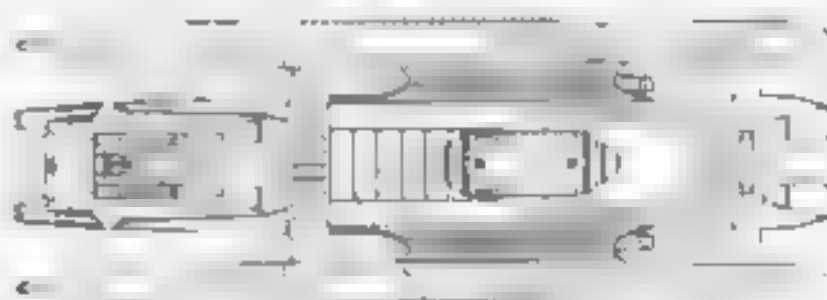
VIEWPORT
HATCH



TOP PROFILE

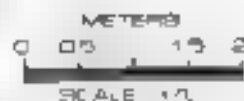
NAVIGATION BEACON

TRACTOR BEAM POD



BOTTOM PROFILE

LOWER SENSOR ARRAY



Class Emblem SuperBee

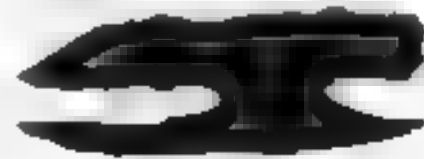


Craft Silhouettes

Total Target Area 23.23 m²



Front Silhouette
Area 3.84 m²



Port Silhouette
Area 12.48 m²



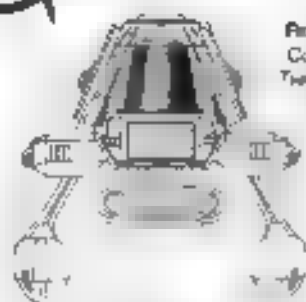
Top Silhouette
Area 16.94 m²



GENERAL UTILITY CRAFT

KillerBee

WORKBEE CLASS

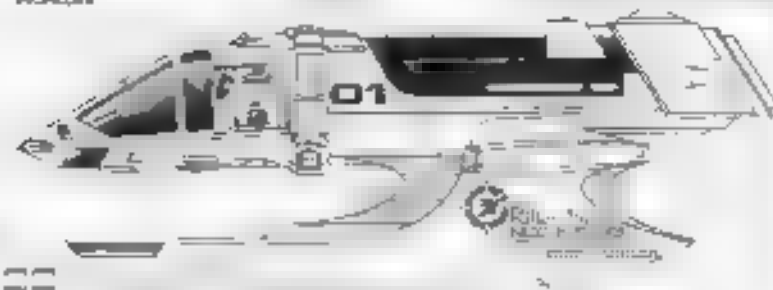


REACTION
CONTROL
THRUSTERS

FRONT PROFILE

WEAPON

KillerBee HULL

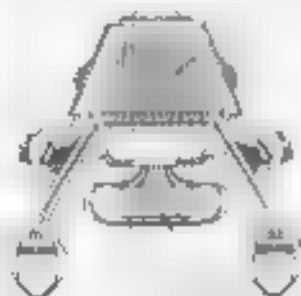


PORT PROFILE

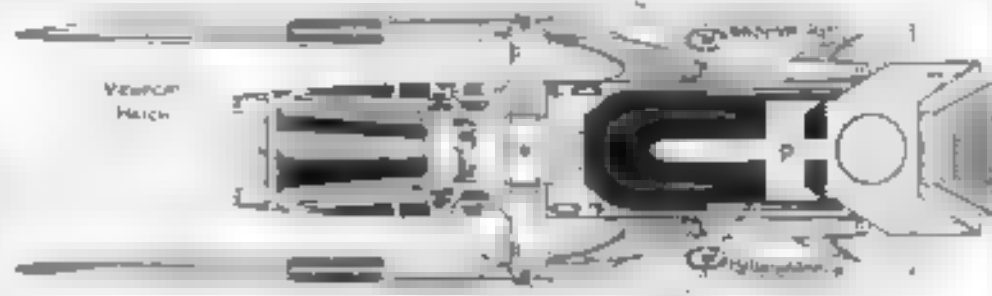
REAR VIEW
COA HULL
THRUSTERS

WARP ENGINE NECK (2)

WARP ENGINE



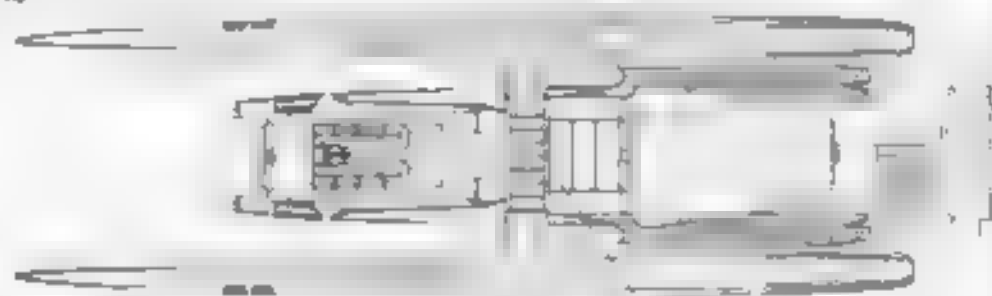
REAR PROFILE



TOP PROFILE

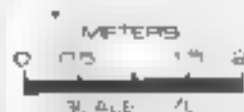
NAVIGATION BEACON

WEAPON PRO



BOTTOM PROFILE

LOWER SENSOR ARRAY



Class Emblem KillerBee



Craft Silhouettes

Total Target Area 38.09 m²



Front Silhouette
Area 3.43 m²



Port Silhouette
Area 18.71 m²



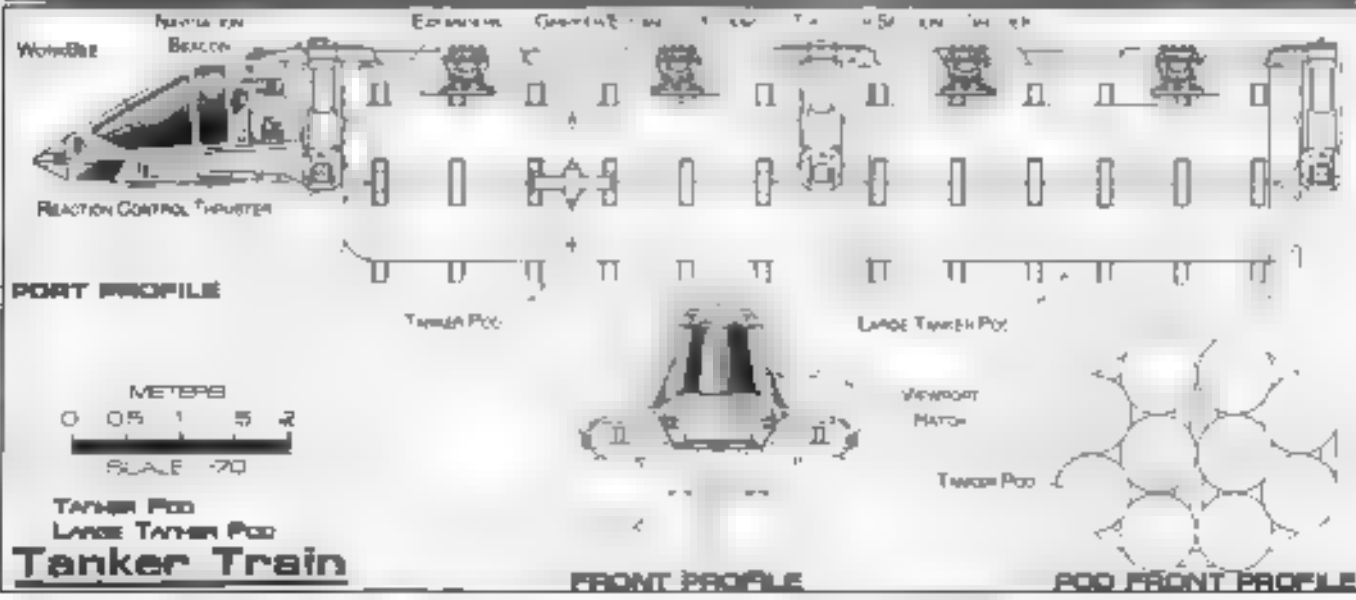
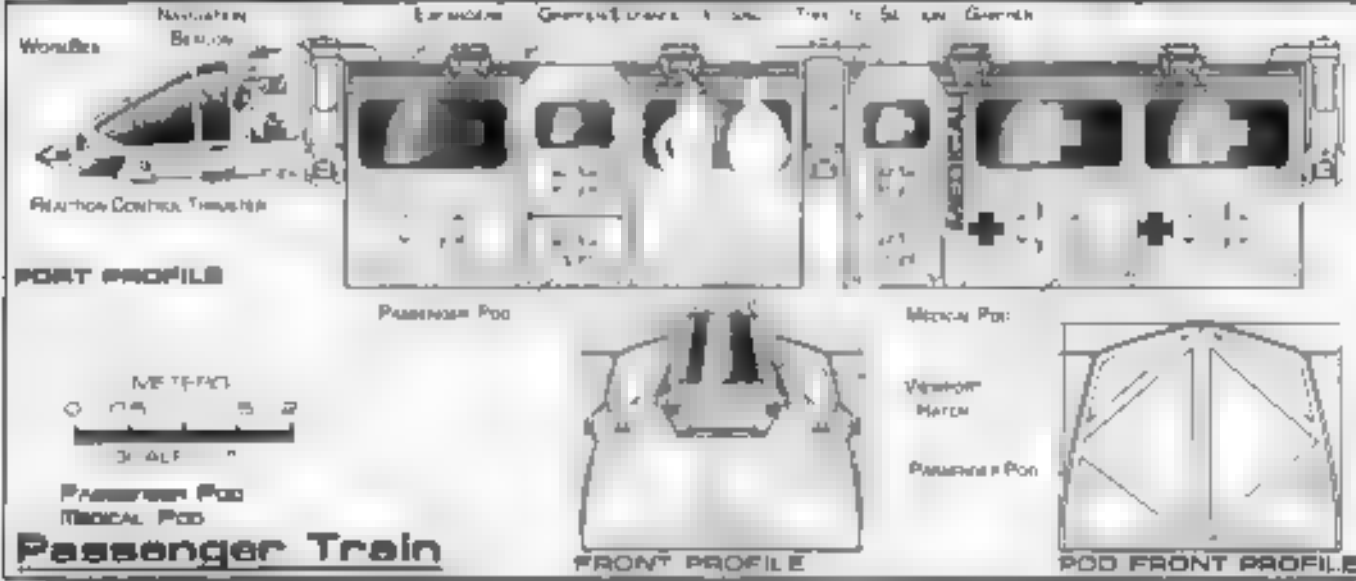
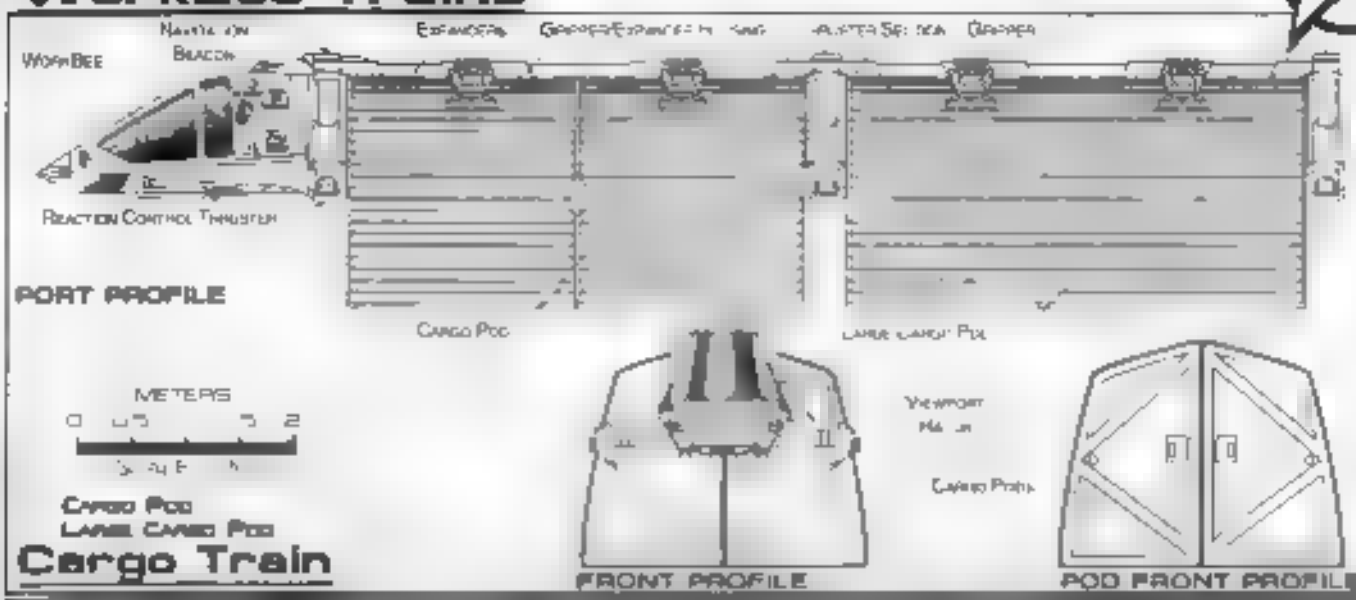
Top Silhouette
Area 15.95 m²

FEDERATION CRAFT

GENERAL UTILITY CRAFT



WorkBee Trains

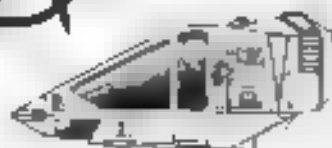




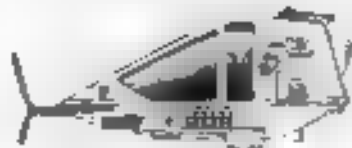
GENERAL UTILITY CRAFT

Bee Packs

WORKBEE CLASS



Booster Pack



Clamper Pack



Cutter Pack



Heavy Booster Pack



Drone Pack



Floodlight Pack



Grabber Pack



Sensor Pack



Spinner Pack



Survey Pack



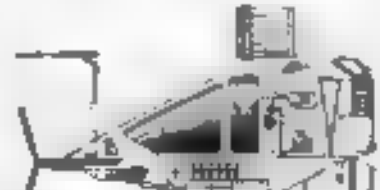
T tractor Pack



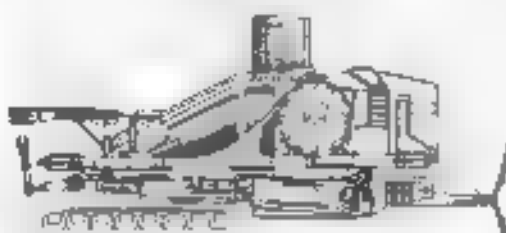
Welder Pack



Tow Hitch Pack



Composite Example



Composite Example 2

WorkBee Attachment Compatibility Chart



	Tail Bee	Head Bee	Adapt Bee	Grapple Bee	Clamper Bee	Spinner Bee	Survey Bee	Tow Hitch Bee	Welder Bee
Booster Pack									
Clamper Pack									
Cutter Pack									
Drone Pack									
Floodlight Pack									
Grabber Pack									
Heavy Booster Pack									
Sensor Pack									
Spinner Pack									
Survey Pack									
Tow Hitch Pack									
Tractor Pack									
Welder Pack									

A Adapter Required T In Tow R Repositioned I Impaired Use

FEDERATION CRAFT

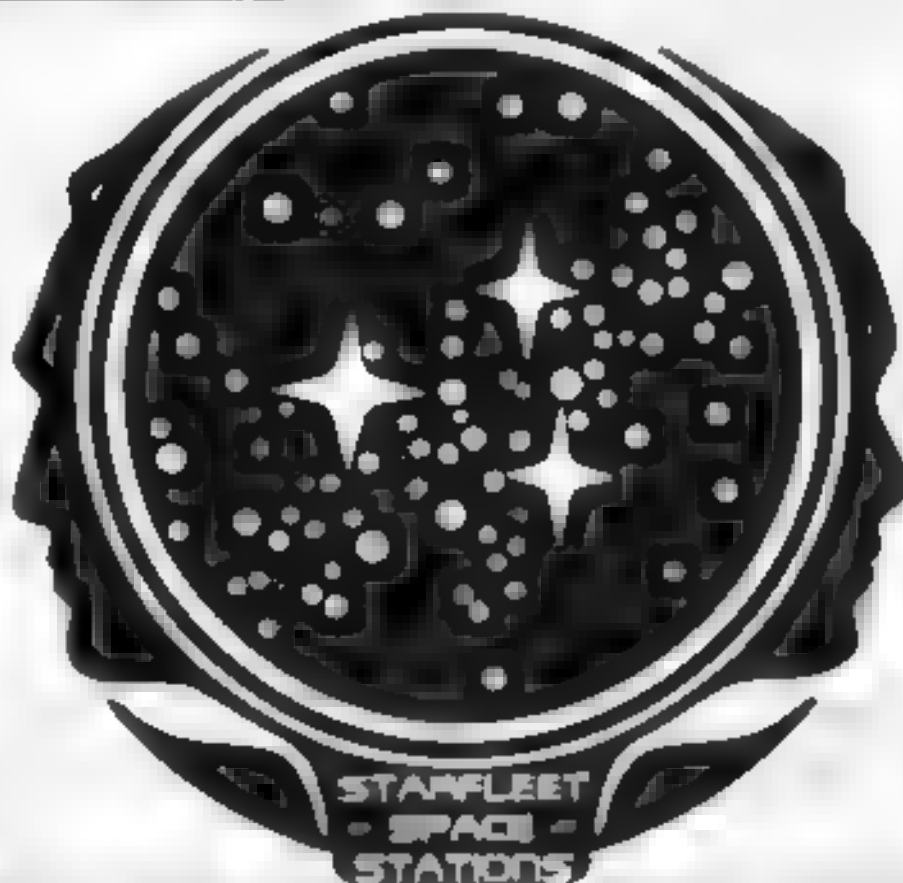


SPACE STATIONS

General Information

The Space Station missions include both research and support functions for the Federation. Research platforms, trade stations, communication arrays and spacedocks are needed to supplement the planetside resources of the Federation throughout the expanses of space.

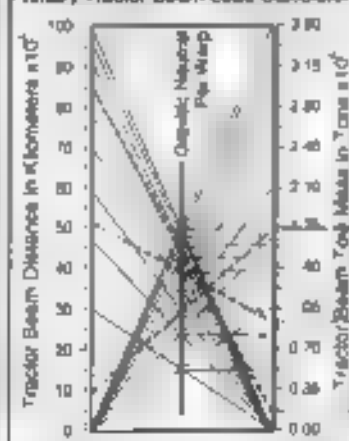
Division Emblem



Tractor Beam

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Range 100 km
Warp Factor 5
Max 100 km

Range 100 km
Warp Factor 5
Max 100 km

Range 100 km
Warp Factor 5
Max 100 km

To use the Tractor Beam Load Calculator determine the needed factors such as distance, speed and weight. To use the calculator you must have at least two of these factors known. Here is an example. If distance and speed are known, start at the right of the graph and locate the distance mark for the range. Then look to the center to find the gravitic neutral for that speed, draw a line from the distance mark through the correct speed marking. Where the line crosses the mass line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

Size Comparison



Communication Station



Speculator



Trading Station



SPACE STATIONS

GENERAL INFORMATION

FEDERATION FACILITY

Meters
0 100 200 300
SCALE 1:8000

Spacebook

COMMUNICATION STATION



General Information

Specific Role: The primary mission of the Communication Station is the relaying and boosting of Federation communications. The station is also able to monitor communications and signals, letting it fulfill its secondary mission as a monitoring facility. Often the relay locations are set up in close proximity to hostile zones as listening posts while still fulfilling their role within the Federation communication network.

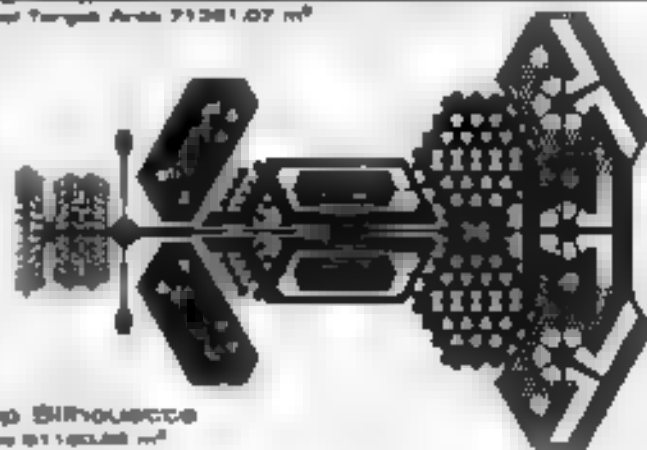
Physical Description: The standard Communication Station has 42 antennas making up 11 communication arrays: the (CA 254/8.46) ϕ Array which has 2 antennas covers the 10^{-2} 10^0 Hz frequency range; the (CA 38/8008) ξ Array which has 1 antenna covers the 10^5 10^7 Hz frequency range; the (CA 995/7995) λ Array which has 2 antennas covers the 10^7 10^9 Hz frequency range; the (CA 956/6492) ϵ Array which has 2 antennas covers the 10^3 10^4 Hz frequency range; the (CA 894/4118) ω Array which has 2 antennas covers the 10^4 10^6 Hz frequency range; the (CA 256/240) α Array which has 1 antenna covers the 10^0 10^1 Hz frequency range; the (CA 71/2248) θ Array which has 2 antennas covers the 10^7 10^9 Hz frequency range; the (CA 134/2.87) β Array which has 1 antenna covers the 10^{-1} 10^0 Hz frequency range; the (CA 78/2.87) γ Array which has 1 antenna covers the 10^{-1} 10^0 Hz frequency range; the (CA 152/71) ν Array which has 2 antennas covers the 10^{15} 10^{16} Hz frequency range; and the (CA 2/24) ϕ Array which has 16 antennas covers the 10^{-8} 10^{22} Hz frequency range. The antennas are supported by a SS438 S-C34 spine which houses the support equipment and living quarters for the facility. Located below the spine is the (SH48 S S2) engineering section which contains the MH4 2C intermix chamber and (AMH/4H 4E) matter/antimatter storage tanks. These tanks are located towards the lower rear of the engineering section for emergency jettisoning. Located above the spine is the (SH22 C S1) command section which contains the command control and communication equipment. Positioned to each side of the spine are two SH46/H S5 launch hanger decks located away from the sensor arrays.

Class Emblem



Facility Silhouettes

Total Target Area 71381.07 m²



Top Silhouette
Area 81183.88 m²



Port Silhouette
Area 5788.89 m²



Front Silhouette
Area 4473.85 m²



COMMUNICATION STATION

EPSON CLASS

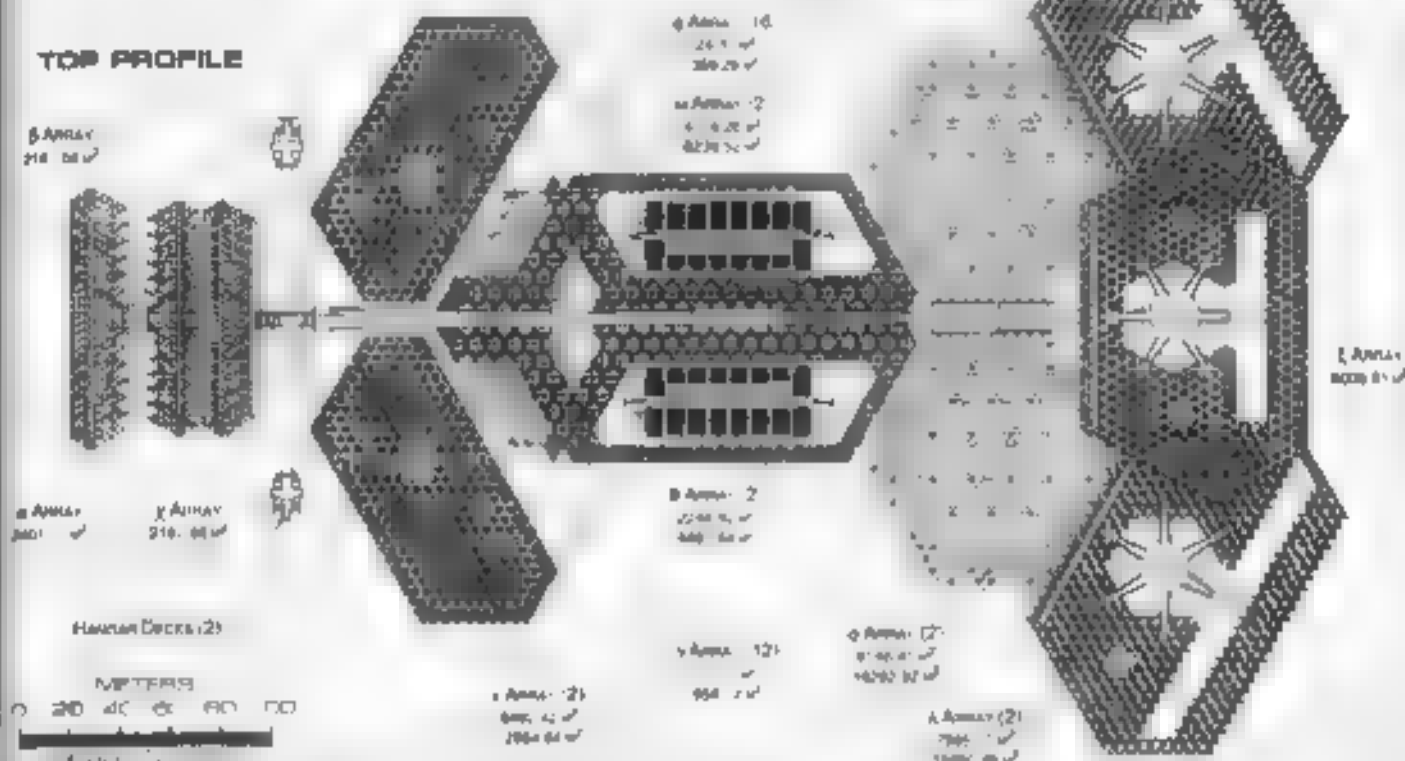
Command Section

Engineering Section

Station Space

PORT PROFILE

TOP PROFILE



Statistics

Classification: Communication Station

Category: Space Station

Class: Epsilon

Type: Class 3

Model: Type E

Birth Construction Contract: 6

Number Planned: 90

Number Constructed: 90

Number in Service: 90

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 508.8 m

Width: 347.4 m

Height: 42.55m

Displacement (Metric Tons)

Light: 342,704mt

Standard: 387,254mt

Full Load: 409,988mt

Performance:

Secondary Receiver Output: 8.9x10¹³W

Primary Receiver Output: 2.4x10¹⁵W

Duration (Years)

Standard: 11 Years

Maximum: 40 Years

Max. Ships Complement: 630

Officers: 6

Crew (Ensign Grade): 31

Types: 0

Passengers: 15

Emergency condition: +120

Medical Facilities:

Doctors: 2

Nurses: 5

Operating Rooms: 2

Beds: 5

Laboratories:

Immersion Tanks: 3

1 Petri: 0

2 Petri: 0

3 Petri: 2

13 Petri: 0

20 Petri: 0

Small Cargo: 1

Medium Cargo: 0

Large Cargo: 0

Repair Cargo: 0

Brigs: 2

Recreation: 8

Isolation Rooms: 4

Yard Capacity: 28x10¹⁰km

Max Range: 5.29x10¹⁰km

Cargo Reconfiguration:

Standard Cargo Bays: 60

Cargo Capacity: 100mt

Reconfiguration Reconfiguration:

Docking Ports:

Starliner Bay: Total: 2

Small Bay: 2

Medium Bay: 0

Large Bay: 0

Repair Bay: 0

Starliner Bay: Standard: 12

Work Room: 6

Travel Pods: 1

Aquatic Shuttle: 0

Light Shuttle: 1

Standard Shuttle: 4

Heavy Shuttle: 0

Cargo Shuttle: 0

Aquatic Shuttle: 0

Killer Room: 0

Fighter:

Heavy Fighter: 0

Laboratory: 0

Turbine (10 percent): 5

Lifeline (10 percent): 3

Lifeline (20 percent): 3

Lifeline (30 percent): 0

Composites: 2

Type: Overhead Dynamic Illc

Type: Dynamic Dynamic Illc

Shield Rating:

Shield Power: 2.88x10¹²W

Shield Rate: 8.20x10¹¹W

Breakdown Rate: 9.84x10¹¹W

Shield Dimensions (Meters)

Length: 600 m

Width: 416.69m

Height: 53.2 m

Weapons:

Beam (Phasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Beam (MegaPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Torpedoes (Photon) Total: 0

Stock: N/A

Range: N/A

Output: N/A

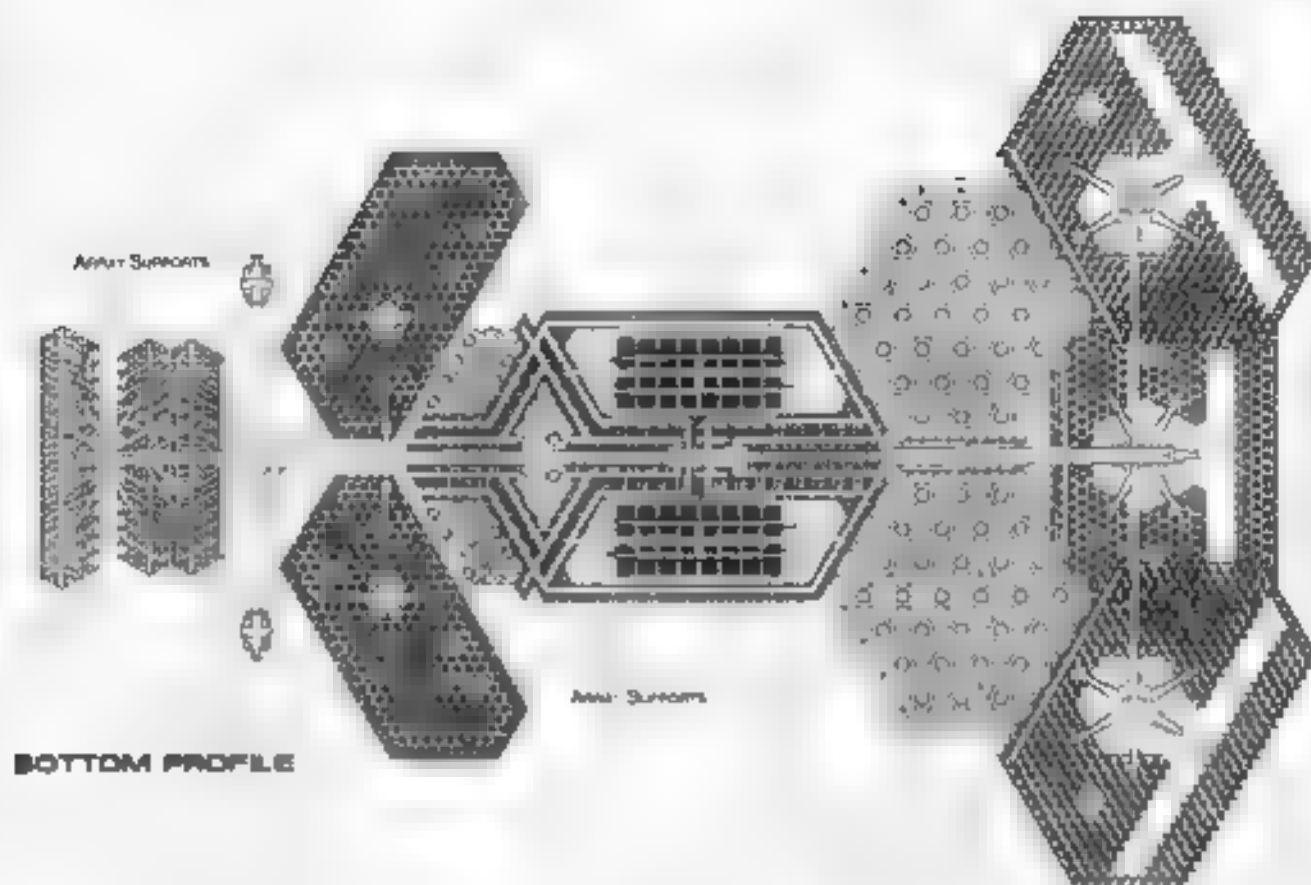
Rate of Fire: N/A

FEDERATION FACILITY

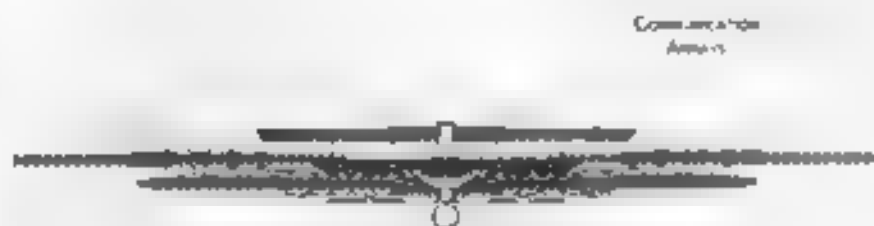
COMMUNICATION STATION



ESOLIN CLASS



BOTTOM PROFILE



FRONT PROFILE

STATION SAUCE

COMMUNICATION
APPROACH



REAR PROFILE

STATION SPRING

METERS
0 10 20 30 40 50

FEDERATION FACILITY

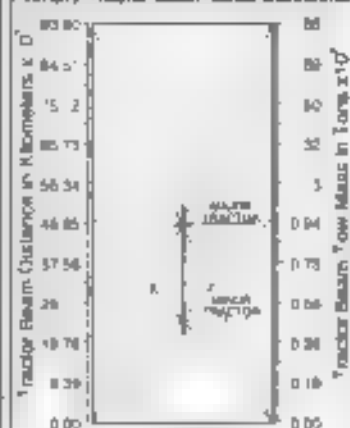


Tractor Beam Specifications

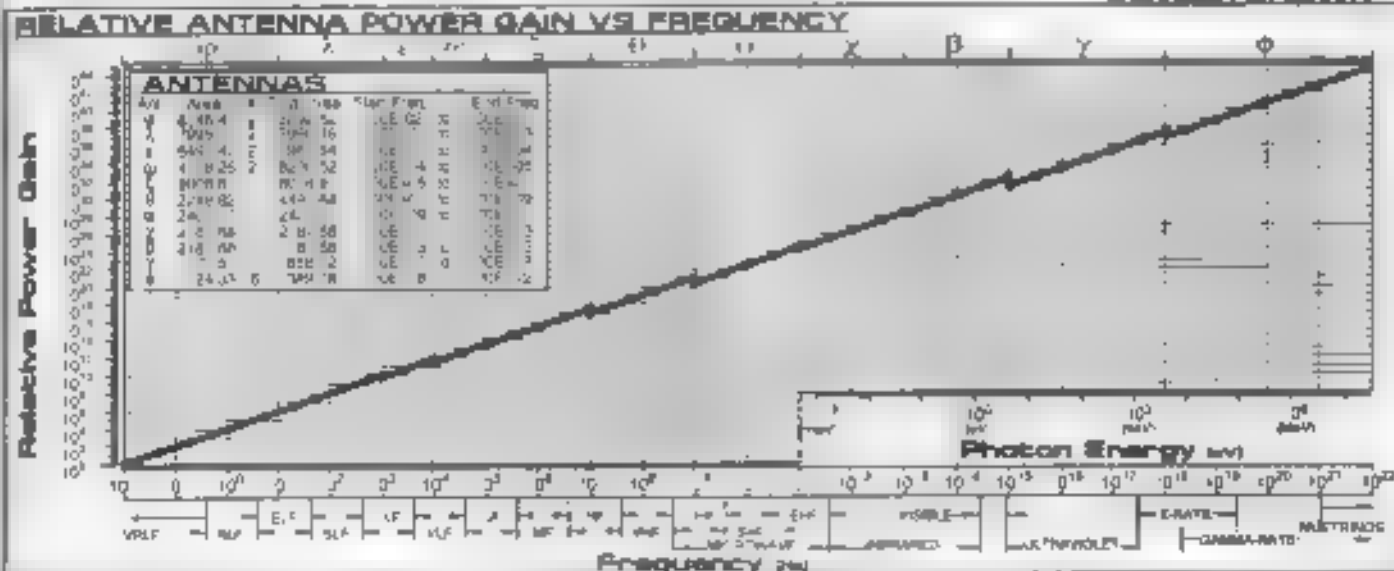
Primary Tractor Beams Load Calculator

[illegible]

CLASH FACILITY. "LOST IN THE LINE OF DUTY. THROUPOD ALL NAMES ENCLOSED WITH TYPED



**CROSS SECTION
ENLARGED FOR CLARITY**



SAM2 03:02:01:04

STARFLEET REFERENCE MANUAL

EPSILON CLASS

PROFESSIONAL ABILITY



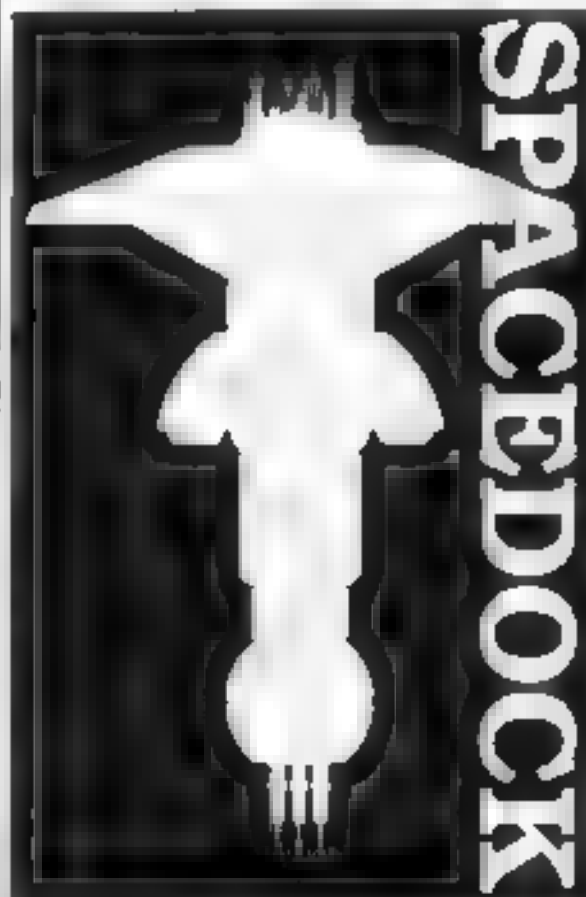
SPACEDOCK

General Information

Specific Role: Spacedocks play a multifaceted role in Federation culture. They are cities in space, research facilities, shipyards, and Federation administration hubs.

Physical Description: The Spacedock is made up of 9 vertically stacked modular sections. In the standard configuration the upper section is the (SS128K/F-A1) A1 Administration Section which provides computers, records and administration facilities. Below this is the (SS1025K/F-D1) D1 DryDock Section which provides extensive starship and spacecraft maintenance facilities. The DryDock is able to shelter 38 heavy cruisers. Below the DryDock is the (SS205K/F-H2) H2 Habitat Section which contains living quarters and recreational facilities. The (SS42K/F-H1) H1 Habitat Section, which contains living quarters, botanical section and recreational facilities, is directly below the H2 section. Below this is the (SS294K/F-R2) R2 and (SS205K/F-R1) R1 Research Sections containing extensive laboratories and research facilities. Below the research sections are the communication sections: the (SS258K/F-C1) C1 Communication Section, and (SS102K/F-C2) C2 Communication Tower Section, (SS102K/F-C3) C3 Communication Tower Section or a (SS98K/F-C4) C4 Communication Tower Section. The C1 Communication Section houses communication stations and an extensive communication resonant amplification chamber which is used for long range communications. The C2, C3 and C4 towers are used for standard communications.

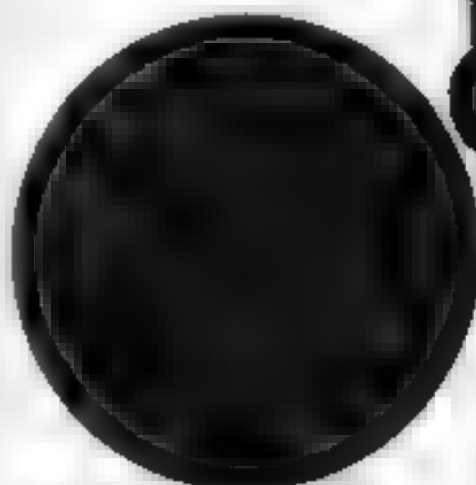
Class Emblem



Facility Silhouettes

Total Target Area 29,992,429.48 m²

Side Silhouette
Area 6,212,213.67 m²



Top/Bottom Silhouette
Area 16,513,209.48 m²



METERS
0 300 600 900
SCALE 1:3,300,000

Administration
Section

Approach Sensor

Dry Dock
Doors

SIDE PROFILE

Deflector Grid

Hangar Bay

Hangar Bay

EMHO Accumulators

Restroom Bay

Communications
Fountain

Statistics

Classification: Spacedock

Category: Space Station

Class: J-100

Type: Base

Model: J-100

Naval Construction Contract: 9

Number Proposed: 7

Number Under Construction: 2

Number In Service: 2

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 4000 Km

Width: 6000 Km

Height: 8000-90000000m

Displacement (Metric Tons)

Light: 4.8e 07m

Standard: 5.2e 07m

Full Load: 5.8e 07m

Performance:

Secondary Reactor Output: 5.6e 10¹⁴ W

Primary Reactor Output: 2e 10¹⁴ W

Duration (Years)

Standard: 10 Years

Maximum: 10 Years

Max. Ship Complement: 10⁴ 436

Officers: 5 432

Crew (Ensign Grade): 25 03

Troops: 900

Passengers: 24,000

Emergency condition: +36,000

Medical Facilities:

Doctors: 900

Nurses: 9450

Operating Rooms: 900

Beds: 9450

Laboratories: 900

Transporters Total: 917

1 Person: 20

2 Person: 210

3 Person: 500

12 Person: 5

32 Person: 24

Small Cargo: 24

Medium Cargo: 18

Large Cargo: 3

Super Cargo: 2

Super Cargo: 1 (Special)

Beds: 1000

Restrooms: 4025

Tractor Rooms: 30

Tow Capacity: 27e 12m

Max Range: 5.8e 07m

Cargo Specifications:

Standard Cargo Unit: 19 542

Cargo Capacity: 5.8e 07m

Shuttlecraft Specifications:

Docking Ports: 10

Shuttlecraft Bays Total: 180

Small Bay: 30

Medium Bay: 50

Large Bay: 20

Super Bay: 10

Shuttlecraft Standard: 2 780

Work Bay: 760

Travel Pods: 760

Approach Shuttle: 98

Light Shuttle: 303

Standard Shuttle: 600

Heavy Shuttle: 70

Cargo Shuttle: 600

Approach Shuttle: 90

ESB (See 10)

Light Fighter: 80

Fighter: 80

Heavy Fighter: 12

Lifelines: 14,403

Turbolift (4 person): 2 500

Lifeline (10 person): 4 400

Lifeline (30 person): 5 500

Lifeline (30 person): 2 500

Communications: 10

Type: See Design Specifications

Type: See Design Specifications

Shield Rating:

Holdoff Power: 2.8e 10¹³ W

Refresh Rate: 8.2 e 10¹² W

Breakdown Rate: 9.42 e 10¹² W

Shield Dimensions (Meters)

Length: 5000 30m

Width: 5000 30m

Height: 7200 00m

Weapons:

Banks (Phasers) Total: 200 banks 2 each

Output: 5.0e 0¹⁴ W 2.8e 10¹³ W

Range: 2.5e 09 km

Rate of Fire: 30 ppm Cont

Banks (MegaPhasers) Total: 40

Output: 2.8e 0¹⁴ W 1.3e 10¹³ W

Range: 1.0e 10⁰⁹ km

Rate of Fire: 15 ppm Cont

Torpedoes (Phased) Total: 20 Bay 2 each

Stock: 4000

Range: 2.0e 10⁰⁹ km

Output: 10-50 Megatons

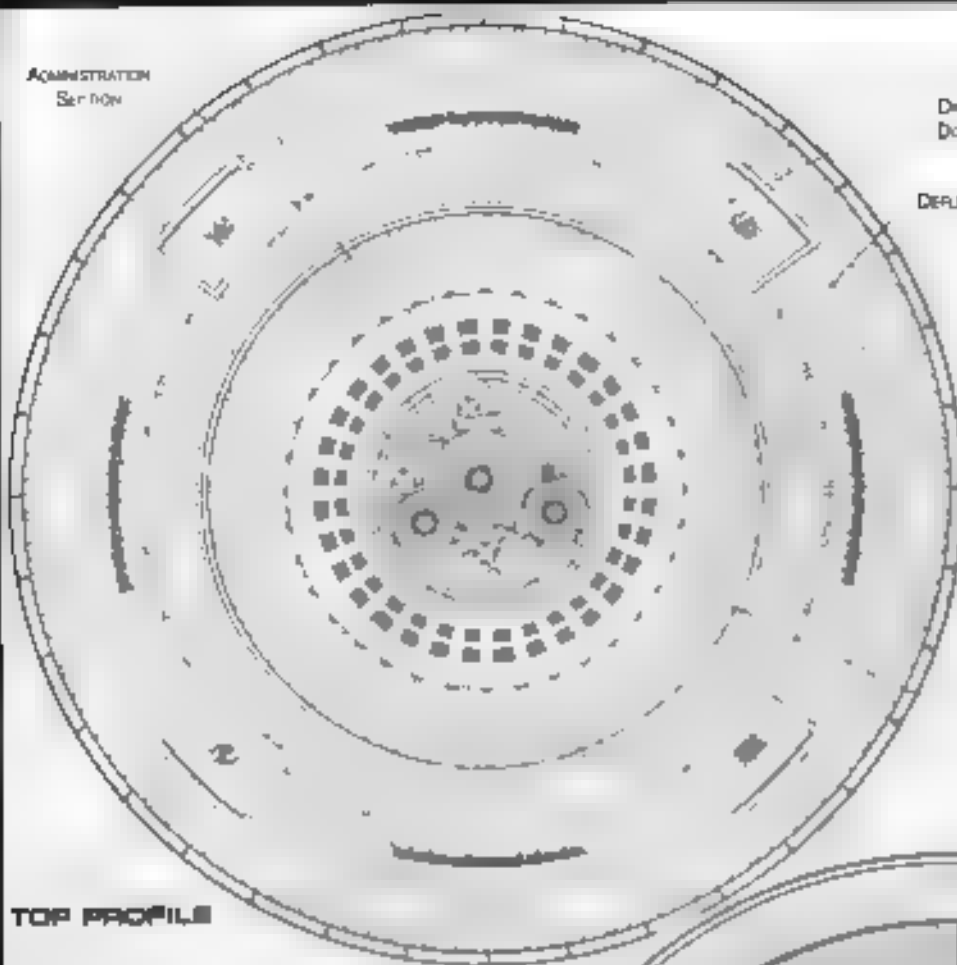
Rate of Fire: 10 ppm



SPACEDOCK

JOURNAL CLASS

ADMINISTRATION
SERVING



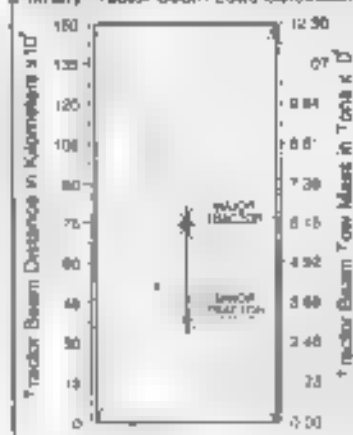
TOP PROFILE

Dir. Dock
Doors (4)

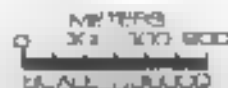
DEFLECTOR GRID

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



COMMUNICATION
ANTENNA



COMMUNICATION
TOWERS

Dir. Dock
Emergency Doors

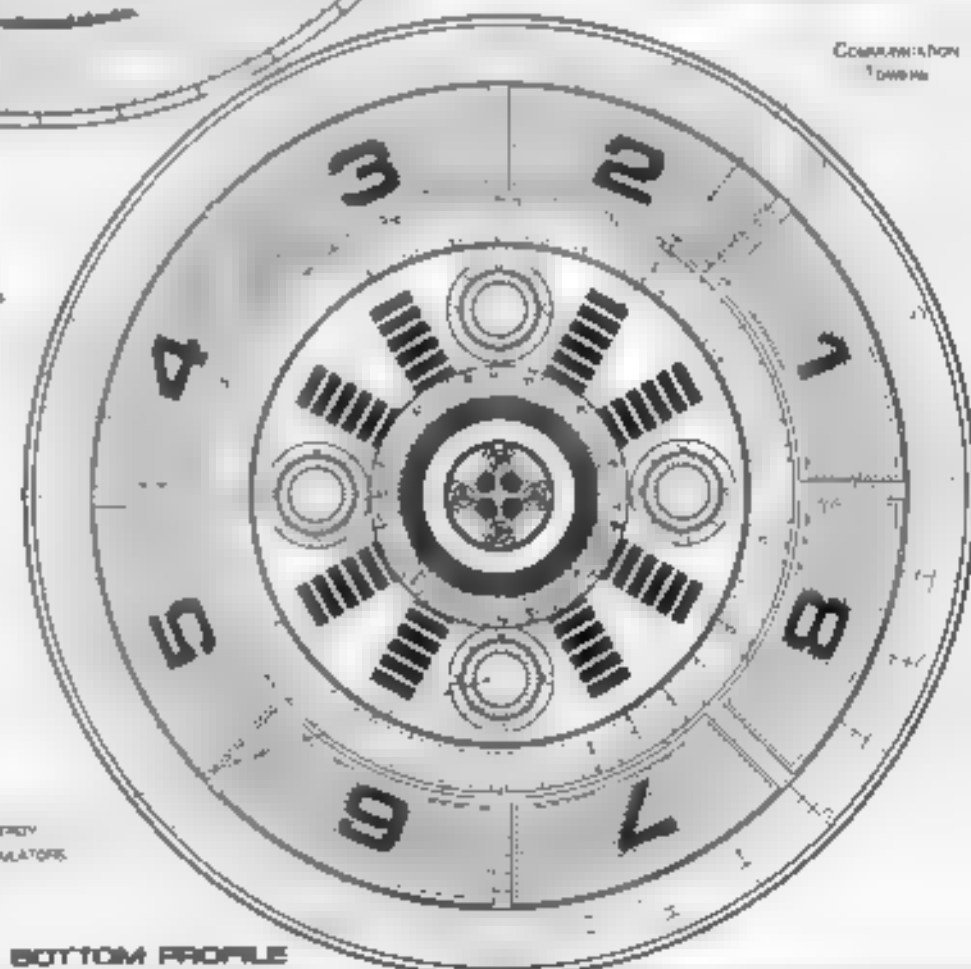
Facility Names

THE FOLLOWING FACILITIES OF THE TYPE D CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 22649

ALPHA CENTAR PORT 4-8
 BATHYR F. AERE PORT 4-3
 MAGE AND VIRT 4-9
 OURLAL PORT 4-5
 RIXAL PORT 4-2
 RIGEL PORT 4-8
 X-1 AIRBASE 3 4-4
 STARGASE 34 4-1
 AIRBASE 34 4-2
 STARGASE 34 4-2
 STARGASE 34 4-2
 STARGASE 34 4-2
 STARGASE 34 4-2
 STARGASE 34 4-2

CLASS FACILITY "LOST IN THE LINE OF DUTY" PROPOSED ALL NAMES PRECEDED WITH "LOST"

ENERGY
ACCUMULATORS



BOTTOM PROFILE

FEDERATION FACILITY



SPACEDOCK

JOURNAL CLASS

CROSS SECTION ENLARGED FOR CLARITY

Dry Dock

A1 Section
Administration

D1 Section
Dry Dock

Light Craft
Platforms

Recreation
Area

Botanical
Section

H2 Section
Habitat

H3 Section
Habitat

I1 Inverse

Energy
Accumulators

Neut. Gamma
Chamber

Particle
Accelerator
Chamber

R2 Section
Research

I2 Inverse

Laboratory

R1 Section
Research

Combustion
Resonant
Amplification
Chamber

C1 Section
Communication

Communication
Towers

C2/C3/C4 Section
Communication
Towers

FEDERATION FACILITY



General Information

Specific Role: Spacelabs are designed for extensive on location research. The research facilities onboard spacelabs provide the Federation's scientific community with a wealth of new information. The onboard facilities are designed with versatility in mind in order to meet multiple and varied research mission requirements.

Physical Description: The Spacelab is made up of a central hub and four exterior configurable research platforms attached underneath by a connecting ring. The central hub is comprised of three sections: the (SS325 K S2) main section, the (SS48 R449) connecting ring, and the (SS298 R45) chemical storage facilities. In the main section the communication array, administration section, hangar deck, living quarters and main laboratory bay are all housed. The connecting ring contains the ship's feeding section and connections to the (SS129/X XX3) research platforms and chemical storage facilities. Inside the engineering ring is the (MT30/12 ZA) torus, intermix chamber and (AMM 48 4K) matter/antimatter storage tanks. The chemical storage facility houses the chemicals that are used by the facility.

Class Emblem

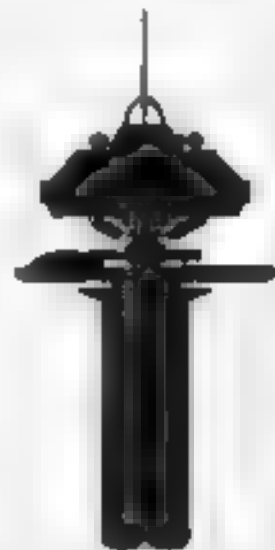


Facility Silhouettes

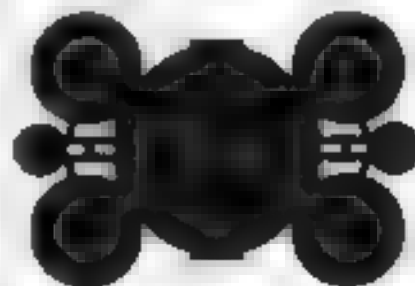
Total Target Area 30000.18 m²



Front Silhouette
Area 9999.94 m²



Port Silhouette
Area 9999.99 m²

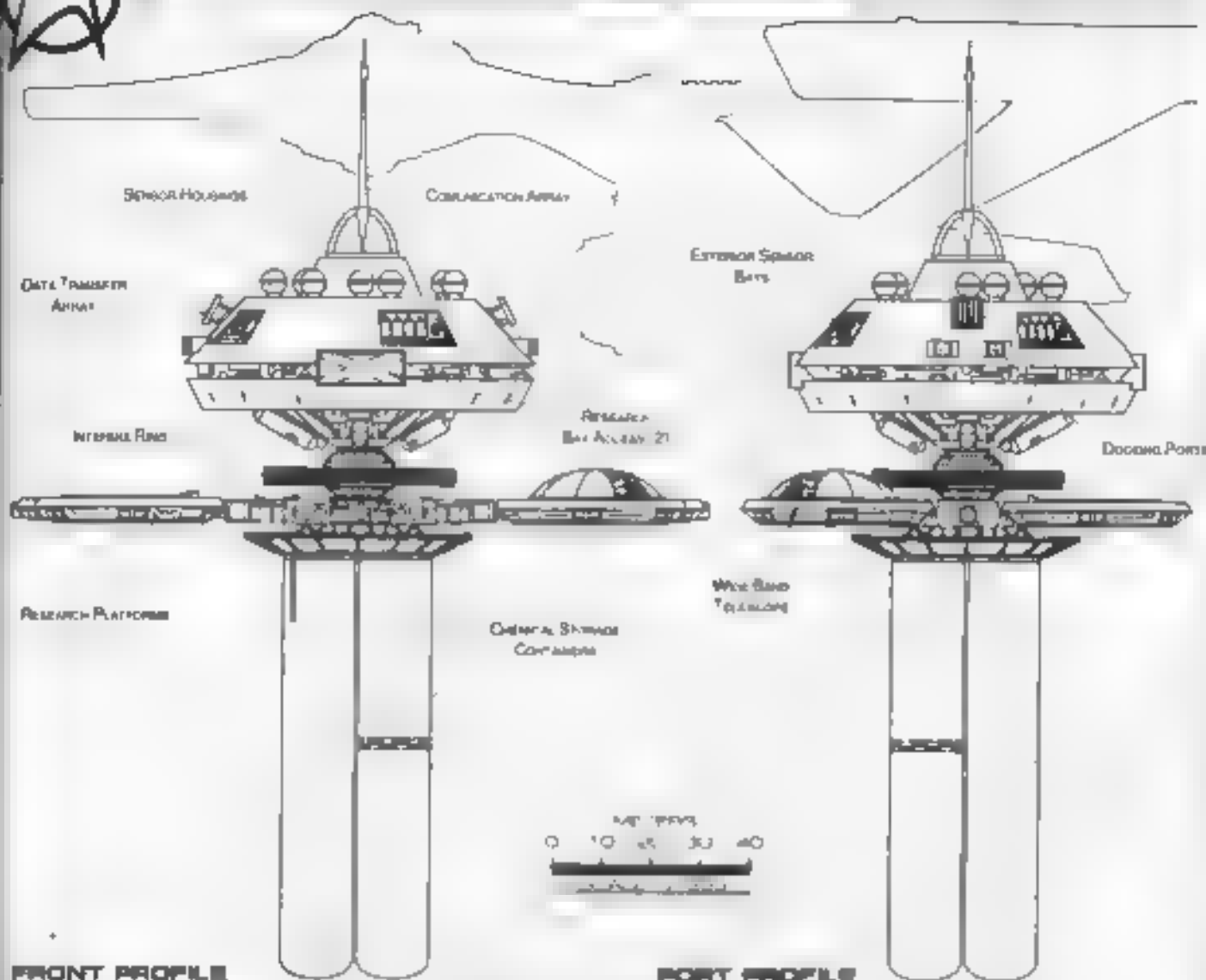


Top Silhouette
Area 10000.24 m²



SPACELAB

REGULA CLASS



FRONT PROFILE

PORT PROFILE

Statistics

Classification: Science
Category: Space Station
Class: Regula
Type: Class 3
Model: vps R
Naval Construction Contract: 9
Number Proposed: 82
Number Constructed: 62
Number in Service: 8
Number Lost: 0

Dimensions:
Overall Dimensions (Meters):
Length: 92.41m
Width: 43.47m
Height: 103.12m
Displacement (Metric Tons):
Light: 94,792mt
Standard: 101,564mt
Full Load: 3,378mt

Performance:
Secondary Reactor Output: 2.43×10^{13} W
Primary Reactor Output: 1.8×10^{15} W
Duration (Years):
Standard: 10 Years
Maximum: 40 Years
Std. Ship Complement: 530
Crew: 2

Crew (Design Grade): 6
Trips:
Passengers: 5
Emergency condition: 120
Medical Facilities:
Doctors: 3
Nurses: 8
Operating Rooms: 2
Beds: 8

Information: 8
Transporters: 4
1 Person: 0
2 Person: 0
4 Person: 2
12 Person: 0
22 Person: 0
Small Cargo: 2
Medium Cargo: 0
Large Cargo: 0
Super Cargo: 0

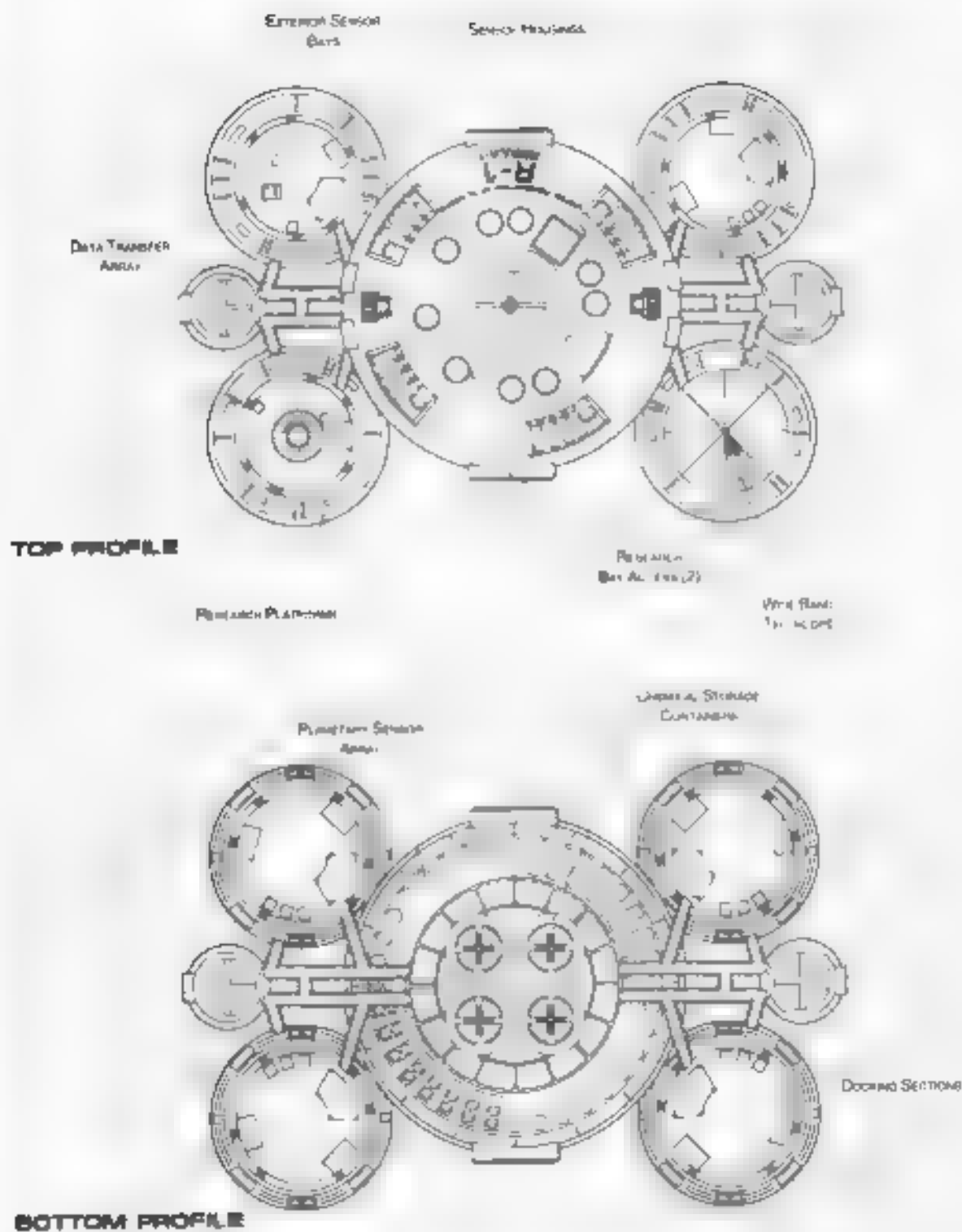
Ship: 2
Replicators: 12
Thruster Banks: 1
Yield Capacity: 0.1×10^{10} W
Ship Manager: 7.8×10^{10} W

Standard Cargo Units: 70
Cargo Capacity: 500m
Standard Accelerations:
Docking Ports: 4
Structural Bays: 1
Small Bay: 1
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Structural Standards: 3
Work Room: 0
Travel Pods: 0
Aquatic Shuttle: 0
Light Shuttle: 0
Standard Shuttle: 1
Survey Shuttle: 1
Cargo Shuttle: 0
Assault Shuttle: 0
Killer Room: 0
Fighter: 0
Survey Fighter: 0
Lifelines: 1
TurboLift (1 person): 4
Liftboat (10 persons): 2
Liftboat (20 persons): 1
Liftboat (30 persons): 0

Comms: 2
Type: Deytron Outrunk III
Type: Deytron Outrunk II
Shield Rating:
Shield Power: 2.15×10^{17} W
Refresh Rate: 6.12×10^{-10} W
Breakdown Rate: 7.3×10^{-10} W
Shield Dimensions (Meters):
Length: 89m
Width: 72.0m
Height: 23.74m
Weapons:
Beam (Photons) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Beam (Neutrons) Total: 0
Output: N/A
Range: N/A
Rate of Fire: N/A
Torpedoes (Photons) Total: 0
Stock: N/A
Range: N/A
Output: N/A
Rate of Fire: N/A

FEDERATION FACILITY

SPACELAB



METERS
0 10 20 30 40
SCALE 1:323



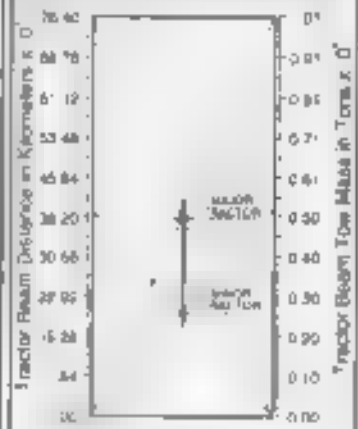
Facility Names

THE FOLLOWING FACILITIES OF THE TYPE R CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 8878.12

REGULA	2	4	2	RE	LA	25	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	27	4	28	RE	LA	5	1
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REGULA	2	4	2	RE	LA	35	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	36	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	37	4	28	RE	LA	5	1
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REGULA	2	4	2	RE	LA	42	4	28	RE	LA	5	1
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REGULA	2	4	2	RE	LA	44	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	45	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	46	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	47	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	48	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	49	4	28	RE	LA	5	1
REGULA	2	4	2	RE	LA	50	4	28	RE	LA	5	1

Traction Beam Specifications

Primary Traction Beam Load Calculator



Section Headings

By: [Name]
Site: [Name]

Traction
Beams

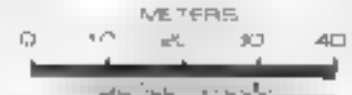
Research Platform

Traction
Left/Right Channels

Platform - [Name]

Chemical Storage
Containers

Wide Band
Transmitter



CROSS SECTION
ENLARGED FOR CLARITY

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STARFLEET REFERENCE MANUAL

TRADING STATION



General Information

Specific Role: Trading Stations are designed for extensive cargo handling and to provide recreational facilities for passing ships. Cargo handling and transshipping facilities at remote locations enhance vital trade routes throughout the Federation. Comprehensive recreational facilities are provided for the relaxation of the crews of various species during cargo transfers and lay overs.

Physical Description: The Trading Post consists of a central hub and three exterior habitats which are attached radially by connecting arms. The central hub is made up of three sections: the (SS728/T 52) main hub, the (SS432/T 59) connecting hub, and the (SS412/T 55) hangar deck. The main hub contains the communication array, administration and brextrial sections, living quarters, recreational facilities, and engineering section. Situated inside the engineering section is an (M30/B 2E) Intermix chamber and (AM8, 4A 4K) matter antimatter storage tanks. The tanks are located along the outer hull of the engineering section for emergency jettisoning. The connecting hub contains the main cargo storage facility and 27 exterior docking ports. The hangar deck is designed to accommodate a large number of shuttlecraft, both conventional and non conventional. Each (D1 7587 555C) connecting arm contains extensive living quarters. Each (SS518/T A-6) exterior section (Alpha, Beta and Gamma) contains additional living quarters, recreational facilities, and cargo storage and handling facilities.

Class Emblem



Facility Silhouettes

Total Target Area: 107101.00 m²





TRADING STATION

COMMUNICATOR ARRAY

MEASUREMENT
0 20 40 60 80 100
Meters

Main Section

Beta Section

Gamma Section

REAR PROFILE

Center Hub

Beta Docking Ports

Main Reactor

Gamma Section

Alpha Section

Crew: 4000

Gamma Section

PORT PROFILE

Statistics

Classification: Trading Station

Category: Space Station

Class: Kepler

Type: Class 3

Model: Type K

Naval Construction Contract: K 1

Number Proposed: 98

Number Completed: 95

Number in Service: 95

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 634.43m

Width: 704.60m

Height: 718.31m

Displacement (Metric Tons)

Light: 645.629m

Standard: 69' 932m

Full Load: 772.4' 8m

Performance:

Secondary Reactor Output: 7.5e15 W

Primary Reactor Output: 2e15 W

Operation (Years)

Standard: 10 Years

Maximum: 40 Years

Mid-Risk Commitment: 11.30

Officers: 192

Crew (Bridge Grade): 930

Troops: 0

Passengers: 400

Emergency condition: +400

Medical Facilities:

Doctors: 5

Nurses: 42

Operating Rooms: 8

Beds: 42

Laboratories: 8

Transportation Total: 22

1 Person: 3

3 Person: 2

8 Person: 8

12 Person: 0

22 Person: 4

Small Cargo: 4

Medium Cargo: 4

Large Cargo: 0

Super Cargo: 0

Bridges: 12

Reinforcers: 21

Tractor Beams: 2

Tow Capacity: 3.65e10 tons

Max Range: 45e10 km

Cargo Specification:

Standard Cargo (Metric Tons): 1045

Cargo Capacity: 4e15 tons

Manufactured Specifications:

Docking Ports: 1

Shuttlecraft Bays Total: 1

Small Bay: 1

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 30

Work Room: 2

Travel Pods: 2

Asymetric Shuttle: 0

Light Shuttle: 4

Standard Shuttle: 12

Heavy Shuttle: 2

Cargo Shuttle: 8

Assault Shuttle: 0

Killer Beam: 0

Fighter: 0

Heavy Fighter: 0

Missiles: 76

Turbothrusters (8 percent): 52

Lifeline (10 percent): 8

Lifeline (20 percent): 8

Lifeline (30 percent): 8

Comments: 2

Type: Devstrom Duotronic III-g

Type: Devstrom Duotronic II-h

Shield Rating:

HelioID Power: 5.42e10 W

HelioID Rate: 9.25e10 W

Breakdown Rate: 1.12e10 W

Shield Dimensions (Meters)

Length: 15' 32m

Width: 845.78m

Height: 281.97m

Weapons:

Beam (Powers) Total: 6 beams 2 each

Output: 5.0e10 W 2.5e10 W

Range: 2.5e10 km

Rate of Fire: 30 ppm Cont

Beam (MegaPowers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Torpedoes (Powers) Total: 0

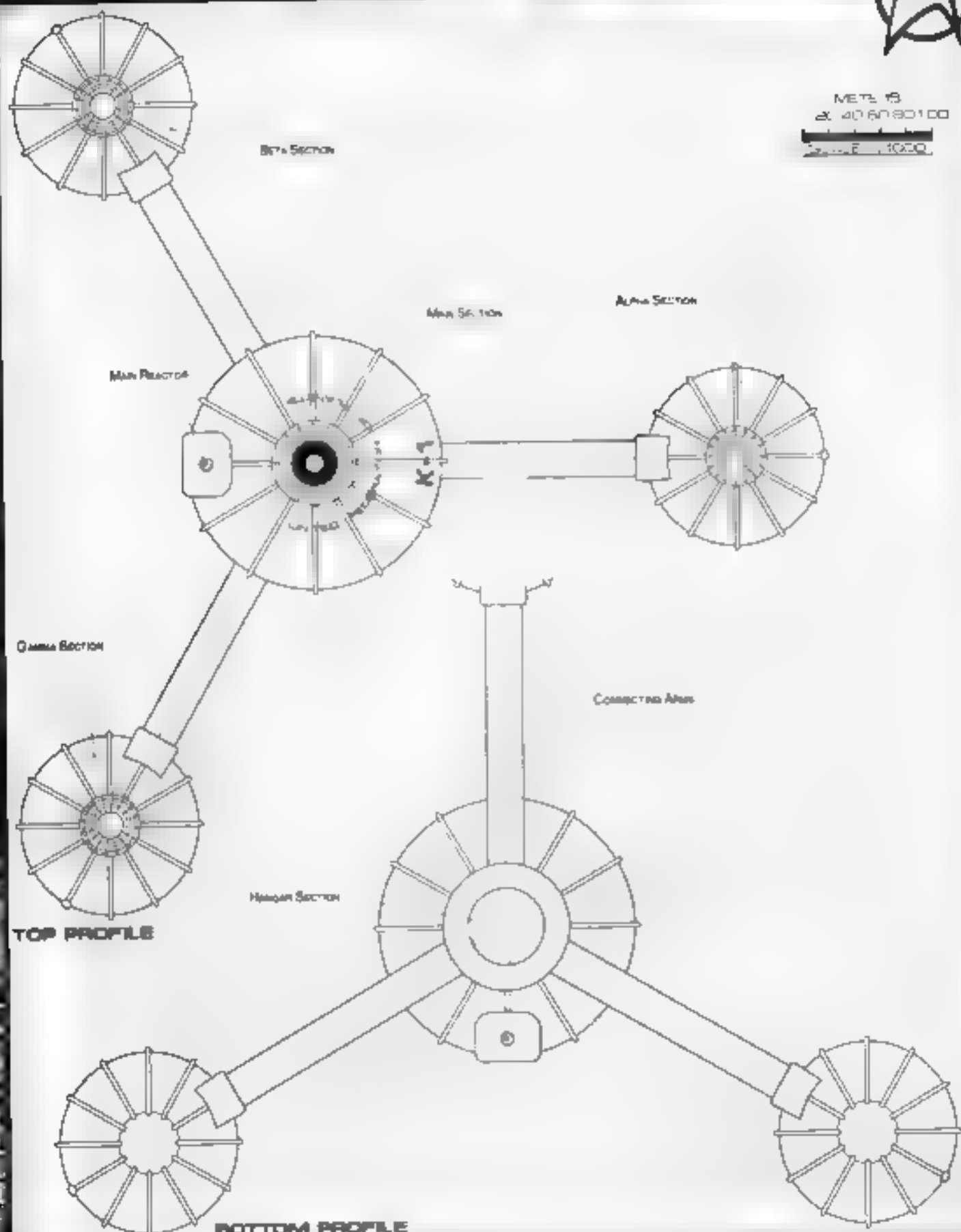
Beam: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

TRADING STATION





TRADING STATION

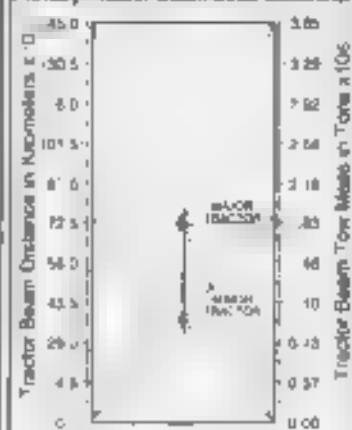
Facility Names

THE FOLLOWING FACILITIES OF THE TYPE K CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2252.10

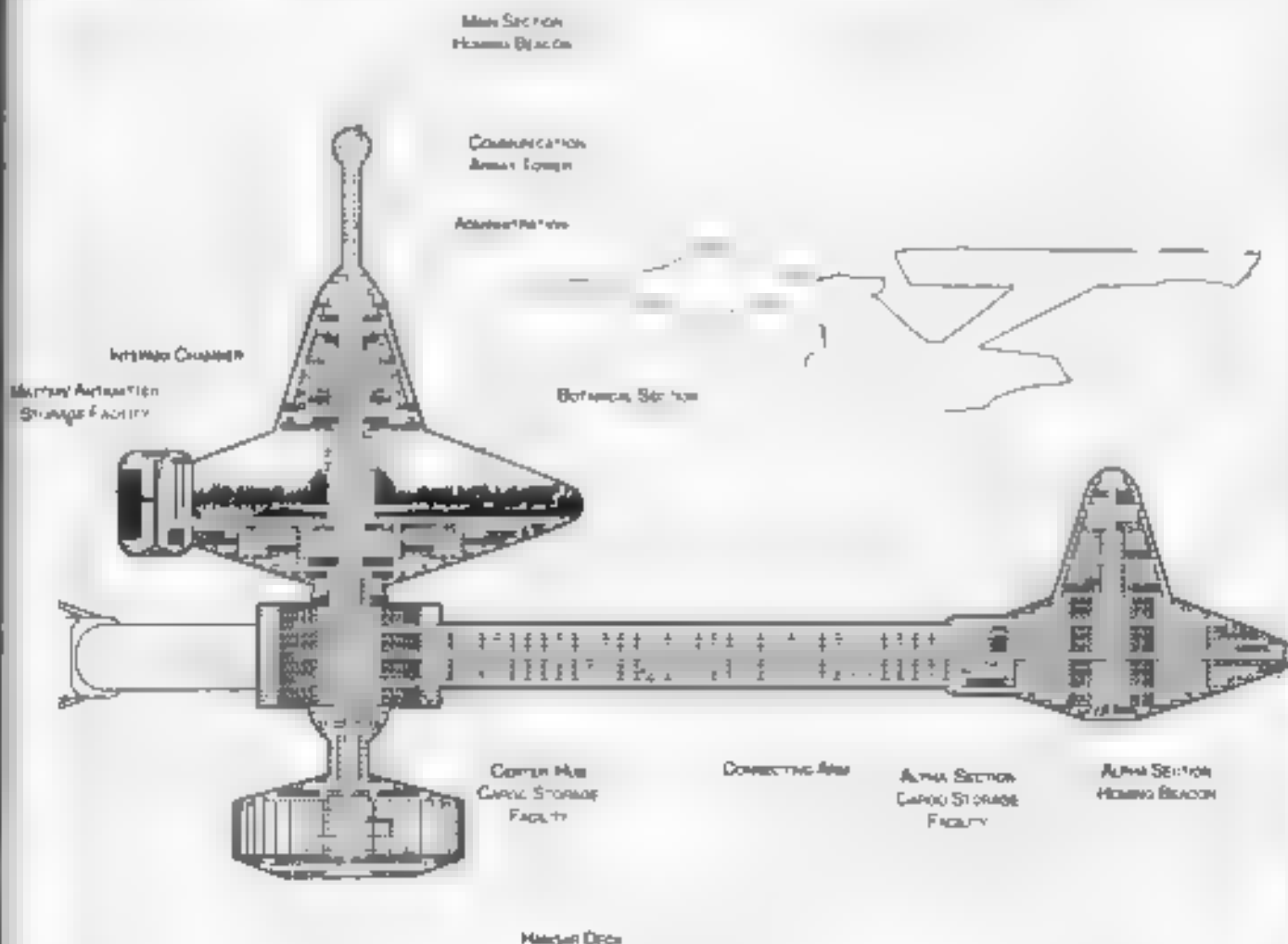
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KEP ER 30 4 30	KEP ER 31 4 31	KEP ER 32 4 32	KEP ER 33 4 33
KEP ER 34 4 34	KEP ER 35 4 35	KEP ER 36 4 36	KEP ER 37 4 37
KEP ER 38 4 38	KEP ER 39 4 39	KEP ER 40 4 40	KEP ER 41 4 41
KEP ER 42 4 42	KEP ER 43 4 43	KEP ER 44 4 44	KEP ER 45 4 45
KEP ER 46 4 46	KEP ER 47 4 47	KEP ER 48 4 48	KEP ER 49 4 49
KEP ER 50 4 50	KEP ER 51 4 51	KEP ER 52 4 52	KEP ER 53 4 53
KEP ER 54 4 54	KEP ER 55 4 55	KEP ER 56 4 56	KEP ER 57 4 57
KEP ER 58 4 58	KEP ER 59 4 59	KEP ER 60 4 60	KEP ER 61 4 61
KEP ER 62 4 62	KEP ER 63 4 63	KEP ER 64 4 64	KEP ER 65 4 65
KEP ER 66 4 66	KEP ER 67 4 67	KEP ER 68 4 68	KEP ER 69 4 69
KEP ER 70 4 70	KEP ER 71 4 71	KEP ER 72 4 72	KEP ER 73 4 73
KEP ER 74 4 74	KEP ER 75 4 75	KEP ER 76 4 76	KEP ER 77 4 77
KEP ER 78 4 78	KEP ER 79 4 79	KEP ER 80 4 80	KEP ER 81 4 81
KEP ER 82 4 82	KEP ER 83 4 83	KEP ER 84 4 84	KEP ER 85 4 85
KEP ER 86 4 86	KEP ER 87 4 87	KEP ER 88 4 88	KEP ER 89 4 89
KEP ER 90 4 90	KEP ER 91 4 91	KEP ER 92 4 92	KEP ER 93 4 93
KEP ER 94 4 94	KEP ER 95 4 95	KEP ER 96 4 96	KEP ER 97 4 97
KEP ER 98 4 98	KEP ER 99 4 99	KEP ER 100 4 100	

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLASS FACILITY, 1,000 TONS IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH "K"



CROSS SECTION
ENLARGED FOR CLARITY

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STARFLEET REFERENCE MANUAL

NEWER CLASS

FEDERATION FACILITY



General Information

Starfleet requires a large fleet of ships for the protection and exploration of the vastness of space. Although the Federation is built on peace, it has found that both peacetime and military vessels are required to protect and support the Federation. This chapter covers these ships: warships, carriers, scouts, research vessels and medical ships.

Warships are designed for defense of the Federation. They are equipped with heavy weapons, shields and more powerful drive systems. Together these allow warships to respond to threats and counteract enemy operations. One of the primary roles the warship plays in fleet strategy is to effectively engage enemy vessels in ship to ship combat. When military action is not necessitated, the ships are used for support missions throughout the Federation.

Carriers are designed for the support, transportation, launching and recovery of shuttlecraft, fighters and other small craft. Both military and non-military missions are within the scope of carrier operations.

Scouts have a two-fold role in Federation policy: forward observation and exploration. They are equipped with extensive sensor arrays, heavy weapons and shields. This equipment allows scouts to move in advance of Federation ships on observation and reconnaissance missions. The scout's extensive sensors are also used for the Federation's extensive exploration of space.

Research Vessels are designed for a wide range of exploration and research applications. These vessels are equipped with precision sensors and comprehensive research facilities.

Medical Ships are designed as mobile hospitals, allowing them to provide medical support and emergency medical care throughout the Federation.

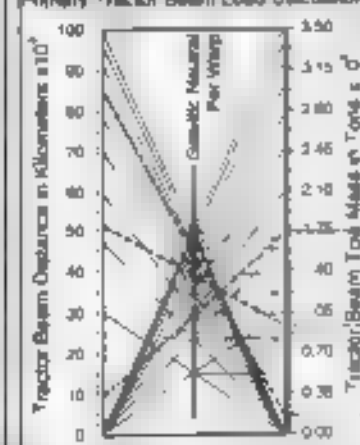
Containers are available in both standard and customized configurations to fit specific needs.

Tractor Beam

To use the Tractor Beam Load Calculator determine the needed factors such as distance, speed and weight. To use the calculator you must have at least two of these factors known. Here is an example: If distance and speed are known, start at the right of the graph and locate the distance mark for the range. Then look to the center to find the gravitic neutral for that speed. Draw a line from the distance mark through the correct speed marking. Where the line crosses the mass line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



line determines the maximum mass that can be towed at a given speed and range. The calculator can be used in the opposite direction to find the maximum distance or if range and distance are known a line can be drawn to determine the maximum speed that can be obtained. Each starship is unique in its distance to mass towing ratio.

- Range=10x10³km
Warp Factor=7
Max Towing=75x10⁶Tons
- Range=52x10³km
Warp Factor=5
Max Towing=34x10⁶Tons
- Range=85x10³km
Warp Factor=3
Max Towing=17x10⁶Tons

Warp Conversion

STARSHIP NUMBER	OLD WARP SPEEDS	NEW WARP SPEEDS	NEW WARP SPEEDS
1.0	1.000	0.00	1.000E+00
1.5	1.400	3.315	0.1E+00
2.0	2.000	8.930	2.400E+00
2.5	2.500	5.825	4.688E+00
3.0	3.000	27.000	8.100E+00
3.5	3.500	42.875	2.56E+01
4.0	4.000	84.000	5.00E+01
4.5	4.500	8.25	7.34E+01
5.0	5.000	25.000	3.750E+01
5.5	5.500	76.175	4.99E+01
6.0	6.000	6.000	6.400E+01
6.5	6.500	2.4625	8.20E+01
7.0	7.000	34.000	1.0E+02
7.5	7.500	42.875	2.0E+02
8.0	8.000	512.000	3.0E+02
8.5	8.500	674.25	8.4E+02
9.0	9.000	25.000	2.07E+02
9.5	9.500	6.75	2.20E+02
10.0	10.000	750.00	4.2E+02
10.5	10.500	876.5	4.40E+02
11.0	11.000	84.24	4.50E+02
11.5	11.500	87.44	4.6E+02
12.0	12.000	885.25	4.70E+02
12.5	12.500	10.445	5.1E+02
13.0	13.000	25.275	5.2E+02
13.5	13.500	6.072	5.3E+02
14.0	14.000	884.10	5.4E+02
14.5	14.500	2.099	5.5E+02
15.0	15.000	2.319	5.6E+02
15.5	15.500	12.500	5.7E+02
16.0	16.000	2.850	5.8E+02
16.5	16.500	13.210	5.9E+02
17.0	17.000	25.000	6.0E+02
17.5	17.500	14.310	6.1E+02
18.0	18.000	18.432	6.2E+02
18.5	18.500	18.804	6.3E+02
19.0	19.000	18.787	6.4E+02
19.5	19.500	18.07	6.5E+02
20.0	20.000	18.272	6.6E+02
20.5	20.500	18.377	6.7E+02
21.0	21.000	18.484	6.8E+02
21.5	21.500	17.448	6.9E+02
22.0	22.000	18.53	7.0E+02
22.5	22.500	18.638	7.1E+02
23.0	23.000	22.708	7.2E+02
23.5	23.500	24.287	7.3E+02
24.0	24.000	24.314	7.4E+02
24.5	24.500	24.790	7.5E+02
25.0	25.000	25.12	7.6E+02
25.5	25.500	25.486	7.7E+02
26.0	26.000	25.835	7.8E+02
26.5	26.500	26.191	7.9E+02
27.0	27.000	26.519	8.0E+02
27.5	27.500	26.815	8.1E+02
28.0	28.000	27.086	8.2E+02
28.5	28.500	27.336	8.3E+02
29.0	29.000	27.568	8.4E+02
29.5	29.500	27.784	8.5E+02
30.0	30.000	27.984	8.6E+02
30.5	30.500	28.168	8.7E+02
31.0	31.000	28.337	8.8E+02
31.5	31.500	28.493	8.9E+02
32.0	32.000	28.636	9.0E+02
32.5	32.500	28.766	9.1E+02
33.0	33.000	28.884	9.2E+02
33.5	33.500	28.991	9.3E+02
34.0	34.000	29.088	9.4E+02
34.5	34.500	29.175	9.5E+02
35.0	35.000	29.253	9.6E+02
35.5	35.500	29.322	9.7E+02
36.0	36.000	29.382	9.8E+02
36.5	36.500	29.434	9.9E+02
37.0	37.000	29.478	1.0E+03
37.5	37.500	29.514	1.01E+03
38.0	38.000	29.542	1.02E+03
38.5	38.500	29.562	1.03E+03
39.0	39.000	29.574	1.04E+03
39.5	39.500	29.578	1.05E+03
40.0	40.000	29.574	1.06E+03
40.5	40.500	29.562	1.07E+03
41.0	41.000	29.542	1.08E+03
41.5	41.500	29.514	1.09E+03
42.0	42.000	29.478	1.10E+03
42.5	42.500	29.434	1.11E+03
43.0	43.000	29.382	1.12E+03
43.5	43.500	29.322	1.13E+03
44.0	44.000	29.253	1.14E+03
44.5	44.500	29.175	1.15E+03
45.0	45.000	29.088	1.16E+03
45.5	45.500	28.991	1.17E+03
46.0	46.000	28.884	1.18E+03
46.5	46.500	28.766	1.19E+03
47.0	47.000	28.636	1.20E+03
47.5	47.500	28.493	1.21E+03
48.0	48.000	28.337	1.22E+03
48.5	48.500	28.168	1.23E+03
49.0	49.000	27.984	1.24E+03
49.5	49.500	27.784	1.25E+03
50.0	50.000	27.568	1.26E+03
50.5	50.500	27.336	1.27E+03
51.0	51.000	27.086	1.28E+03
51.5	51.500	26.815	1.29E+03
52.0	52.000	26.519	1.30E+03
52.5	52.500	26.253	1.31E+03
53.0	53.000	26.000	1.32E+03
53.5	53.500	25.766	1.33E+03
54.0	54.000	25.542	1.34E+03
54.5	54.500	25.322	1.35E+03
55.0	55.000	25.104	1.36E+03
55.5	55.500	24.884	1.37E+03
56.0	56.000	24.662	1.38E+03
56.5	56.500	24.434	1.39E+03
57.0	57.000	24.200	1.40E+03
57.5	57.500	23.962	1.41E+03
58.0	58.000	23.718	1.42E+03
58.5	58.500	23.468	1.43E+03
59.0	59.000	23.212	1.44E+03
59.5	59.500	22.950	1.45E+03
60.0	60.000	22.682	1.46E+03
60.5	60.500	22.408	1.47E+03
61.0	61.000	22.128	1.48E+03
61.5	61.500	21.842	1.49E+03
62.0	62.000	21.550	1.50E+03
62.5	62.500	21.252	1.51E+03
63.0	63.000	20.948	1.52E+03
63.5	63.500	20.638	1.53E+03
64.0	64.000	20.322	1.54E+03
64.5	64.500	20.000	1.55E+03
65.0	65.000	19.672	1.56E+03
65.5	65.500	19.338	1.57E+03
66.0	66.000	19.000	1.58E+03
66.5	66.500	18.658	1.59E+03
67.0	67.000	18.312	1.60E+03
67.5	67.500	17.962	1.61E+03
68.0	68.000	17.608	1.62E+03
68.5	68.500	17.250	1.63E+03
69.0	69.000	16.888	1.64E+03
69.5	69.500	16.522	1.65E+03
70.0	70.000	16.152	1.66E+03
70.5	70.500	15.778	1.67E+03
71.0	71.000	15.400	1.68E+03
71.5	71.500	15.018	1.69E+03
72.0	72.000	14.632	1.70E+03
72.5	72.500	14.242	1.71E+03
73.0	73.000	13.848	1.72E+03
73.5	73.500	13.450	1.73E+03
74.0	74.000	13.048	1.74E+03
74.5	74.500	12.642	1.75E+03
75.0	75.000	12.232	1.76E+03
75.5	75.500	11.818	1.77E+03
76.0	76.000	11.400	1.78E+03
76.5	76.500	10.978	1.79E+03
77.0	77.000	10.552	1.80E+03
77.5	77.500	10.122	1.81E+03
78.0	78.000	9.688	1.82E+03
78.5	78.500	9.250	1.83E+03
79.0	79.000	8.808	1.84E+03
79.5	79.500	8.362	1.85E+03
80.0	80.000	7.912	1.86E+03
80.5	80.500	7.458	1.87E+03
81.0	81.000	7.000	1.88E+03
81.5	81.500	6.538	1.89E+03
82.0	82.000	6.072	1.90E+03
82.5	82.500	5.602	1.91E+03
83.0	83.000	5.128	1.92E+03
83.5	83.500	4.650	1.93E+03
84.0	84.000	4.168	1.94E+03
84.5	84.500	3.682	1.95E+03
85.0	85.000	3.192	1.96E+03
85.5	85.500	2.698	1.97E+03
86.0	86.000	2.200	1.98E+03
86.5	86.500	1.698	1.99E+03
87.0	87.000	1.192	2.00E+03
87.5	87.500	0.682	2.01E+03
88.0	88.000	0.168	2.02E+03
88.5	88.500	0.050	2.03E+03
89.0	89.000	0.000	2.04E+03
89.5	89.500	0.000	2.05E+03
90.0	90.000	0.000	2.06E+03
90.5	90.500	0.000	2.07E+03
91.0	91.000	0.000	2.08E+03
91.5	91.500	0.000	2.09E+03
92.0	92.000	0.000	2.10E+03
92.5	92.500	0.000	2.11E+03
93.0	93.000	0.000	2.12E+03
93.5	93.500	0.000	2.13E+03
94.0	94.000	0.000	2.14E+03
94.5	94.500	0.000	2.15E+03
95.0	95.000	0.000	2.16E+03
95.5	95.500	0.000	2.17E+03
96.0	96.000	0.000	2.18E+03
96.5	96.500	0.000	2.19E+03
97.0	97.000	0.000	2.20E+03
97.5	97.500	0.000	2.21E+03
98.0	98.000	0.000	2.22E+03
98.5	98.500	0.000	2.23E+03
99.0	99.000	0.000	2.24E+03
99.5	99.500	0.000	2.25E+03
100.0	100.000	0.000	2.26E+03



Size Comparison

Assault Cruiser



Heavy Shuttlescraft Carrier



Battle Cruiser



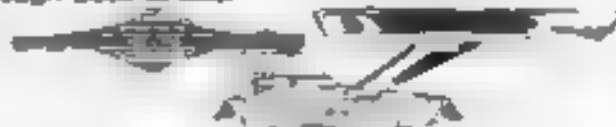
Through Deck Carrier



Battleship



Through Deck Cruiser



Escort Cruiser



Exploration Cruiser



Gun Boat



Research Vessel



Light Corvette



Star Cruiser



Penetration Cruiser



Survey Cruiser



Strike Cruiser



Troop Transport



Timedip Cruiser



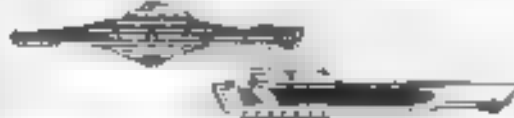
Heavy Scout



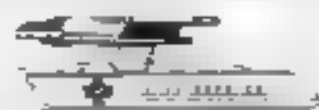
Hospital Frigate



Scout



Hospital Ship



METERS
0 20 40 60 80 100

ATTACK CRUISER



General Information

Specific Role: The Attack Cruiser is a high powered fast response weapons platform. Equipped with powerful sensors, sensors and extensive ECM gear, the Attack Cruiser, with its narrow front silhouette, is one of the most survivable ships in the fleet. The secondary hull is connected directly to the primary hull in order to reduce the craft's silhouette.

Physical Description: The PH147/A M21 primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. On the lower part of the primary hull is the (SM49/2S) main sensor array and (DN4/3N) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the rear of the secondary hull are two (BP2/30-2C) phaser banks. Mounted on the primary hull's upper deck are two (MP2/15-2G) MegaPhasers (one to port, one to starboard). Below the secondary hull, supported by the (DL/25-8U) connecting dorsal, is a (PB4/50-10E) photon torpedo pod with side mounted (MP2/15-2G) MegaPhasers. To the rear of the primary hull are (IRF/15E/3-ED) dual impulse engines which are used for auxiliary power and sub-warp propulsion. The cruiser's warp fields are generated by two (SW52/1-5PR) warp nacelles attached to the secondary hull by (L/15-7U) support pylons. On the lower forward section of the primary hull are (DN4/A-1) navigational deflectors which assist the navigational shields in deflecting oncoming debris. The (S-11/2/A-F4) secondary hull is attached directly to the primary hull. Inside the secondary hull are the (M25/12-210) intermix chamber and (AMH-45-5S) matter antimatter storage tanks. The storage tanks are installed in the rear of the secondary hull for emergency jettisoning. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ship's complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem

ATTACK CRUISER



ROSENZWEIG CLASS

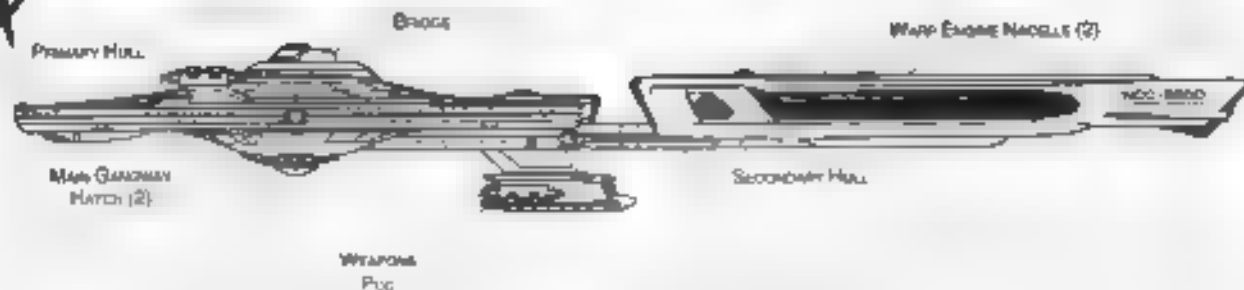
Ship Silhouettes

Total Target Area: 24666.40 m²Top Silhouette
Area: 10000.00 m²Port Silhouette
Area: 8000.00 m²Front Silhouette
Area: 6666.40 m²

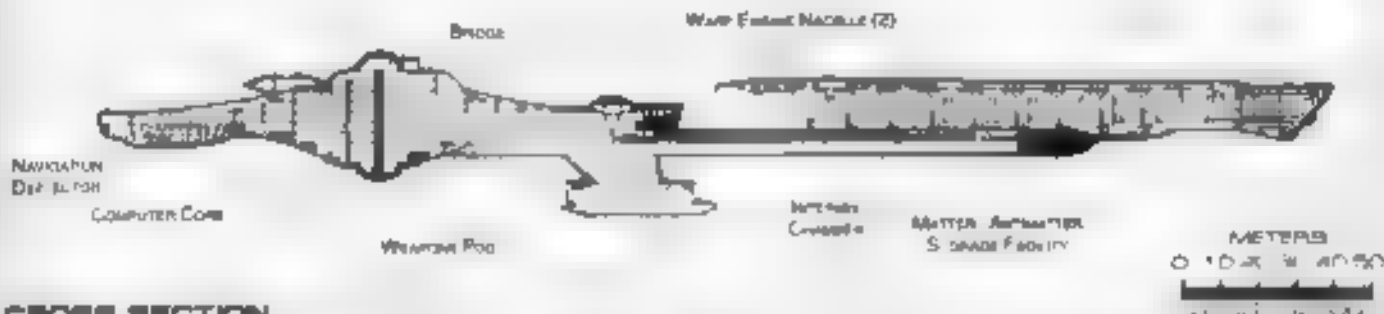


ATTACK CRUISER

ROSENZWEIG CLASS



PORT PROFILE



CROSS SECTION

Statistics

Class/Design: APAC-1 (Type)

Category: Attack Ship

Class: Rosenzweig

Type: Class

Model: MK XIII

Naval Construction Contract: 5000

Number Produced: 35

Number Constructed: 25

Number in Service: 25

Number Lost: 2

Dimensions:

Overall Dimensions (Meters):

Length: 110.40m

Width: 4.12m

Height: 42.2m

Primary Hull Dimensions (Meters):

Length: 46.31m

Width: 14.12m

Height: 10.84m

Secondary Hull Dimensions (Meters):

Length: 58.59m

Width: 27.05m

Height: 8.03m

Warp Unit Dimensions (Meters):

Length: 54.81m

Width: 2.63m

Height: 8.32m

Displacement (Metric Tons):

Light: 150.4

Standard: 74,433mt

Full Load: 83,580mt

Armaments:

Impulse Thruster: Dual Unit (IRF385/3-EX)

Impulse Engine Output: 7.8×10^{12} W

Impulse Power Index: 1,200

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.188 sec

0.25-0.50 Impulse: 0.250 sec

0.50-0.75 Impulse: 0.330 sec

0.75-Full Impulse: 0.416 sec

Warp Unit: 2 Nacelle Units (SW53PT-6PR)

Warp Engine Output: 1.2×10^{13} W

Warp Power Index: 200

Optimum Speed: Warp 5

Max Safe Cruising: Warp 7

Emergency Speed: Warp 8.5

Max Speed: Warp 9.3

Descriptive Speed: Warp 9.20

Acceleration Power: 30

Acceleration Time:

Warp 1: Warp 2: 0.188 sec

Warp 2: Warp 3: 268 sec

Warp 3: Warp 4: 05 sec

Warp 4: Warp 5: 440 sec

Warp 5: Warp 6: 548 sec

Warp 6: Warp 7: 6.1 sec

Warp 7: Warp 8: 7.46 sec

Warp 8: Warp 9: 3.12 sec

Warp 9: Warp 9.5: 6.206 sec

Warp 9.5: Warp 9.75: 208 sec

Warp 9.75: Warp 9.8: 16.208 sec

Standard Index:

Standard: 4 Years

Maximum: 16 Years

Std. Ship Complement: 295

Officers: 42

Crew (Ensigns): 300

Troops: 23

Passengers: 32

Emergency condition: +607

Medical Facilities:

Doctors: 4

Nurses: 2

Operating Rooms: 3

Beds: 2

Laboratories: 3

Transportation Total: 10

1 Person: 0

2 Person: 0

3 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 1

Medium Cargo: 1

Large Cargo: 0

Super Cargo: 0

Range: 0

Barrels: 2

Tractor Beam:

Low Capacity: 4.2×10^{10} m

Max Range: 150 Dhm

Charge Specification:

Standard Cargo Cells: 24

Cargo Capacity: 141mt

Specialized Specifications:

Docking Ports:

Structural Bays Total: 1

Small Bay:

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Structural Standard: 18

Work Room: 1

Storage Pods: 1

Aquatic Shuttle: 0

Light Shuttle:

Standard Shuttle: 4

Heavy Shuttle: 1

Light Cargo Shuttle:

Aquatic Shuttle: 3

Killer Ship: 4

Fighter: 7

Heavy Fighter: 2

Lifelines: 42

Turbine: 16 personnel: 23

Lifeline: 10 personnel: 3

Lifeline: 130 personnel: 0

Lifeline: 130 personnel: 0

Crabbing Devices: 0

Beacon Index Values:

Planetary Survey: 0.0272

Welder Survey: 0.7655

Short Range: 762

Long Range: 0.97

Navigation: 2380

Special: 1178

Comms: 2

Type: Andromeda Electronic (Ru)

Type: Devaron Electronic (D)

ECM Index: 50

Shield Rating:

Shield Index: 119

Shield Power: 3.22×10^{13} W

Refuel Rate: 8.5x10 W

Breakdown Rate: 1.1×10^{10} W

Shield Dimension (Meters):

Length: 40.4m

Width: 17.7m

Height: 53.21m

Weapons:

Photon Power Index: 238

Photon Power Index: 5.77

Photon Power Index: 4.04

Weapon Placement:

Bow (Phasers) Total: 5 banks 2 each

Output: 5.0×10^{10} W 2.5×10^{11} W

Range: 2.5x10⁸ km

Rate of Fire: 30 ppm: Com

Forward Banks: 2

Rear Banks: 1

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Bow (Mags/Phasers) Total: 4

Output: 2.6×10^{12} W 1.3×10^{12} W

Range: 1.2×10^8 km

Rate of Fire: 15 ppm: Com

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 4

Torpedoes (Photon) Total: 2 Bay 2 each

Block: 80

Range: 2×10^8 km

Output: 0.50 Megatons

Rate of Fire: 10 ppm

Forward Bay: 1

Rear Bay: 1

Port Bay: 0

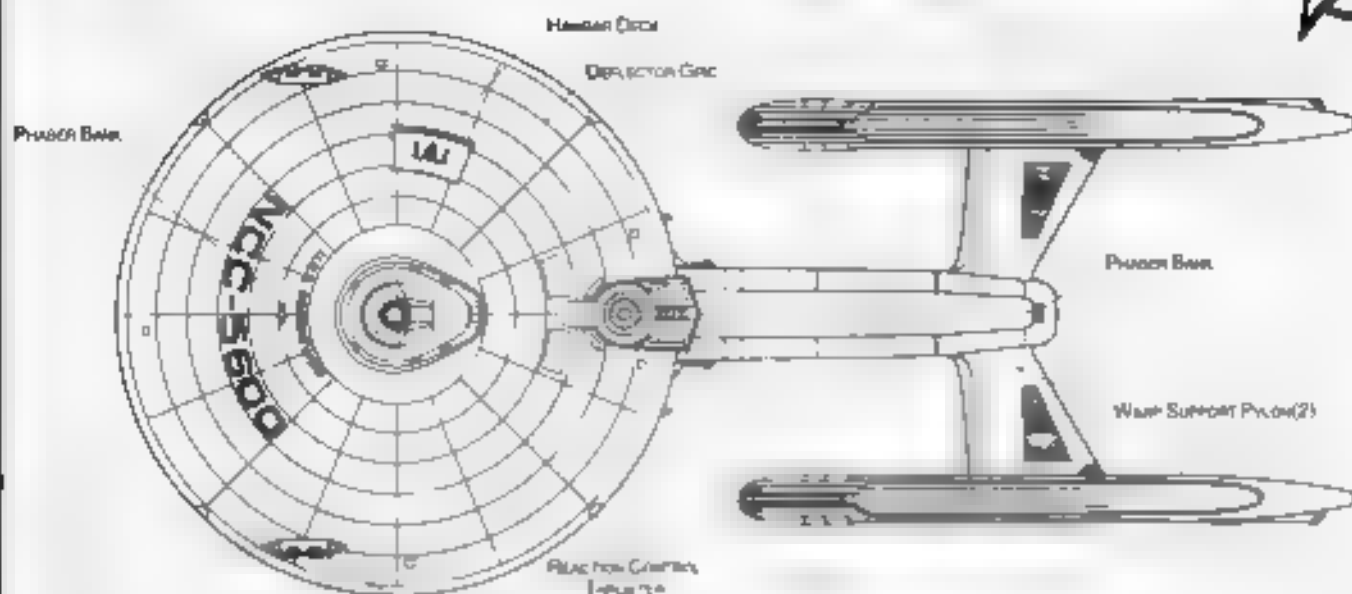
Starboard Bay: 0

Upper Bay: 0

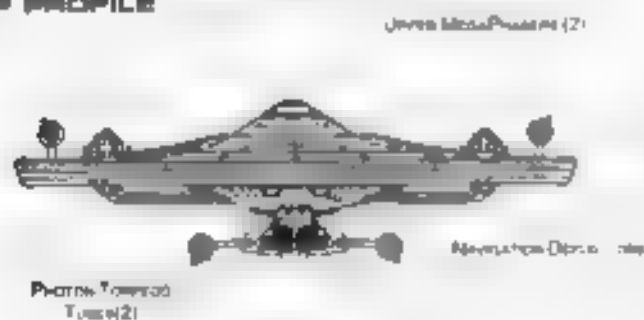
Lower Bay: 0

FEDERATION VESSEL

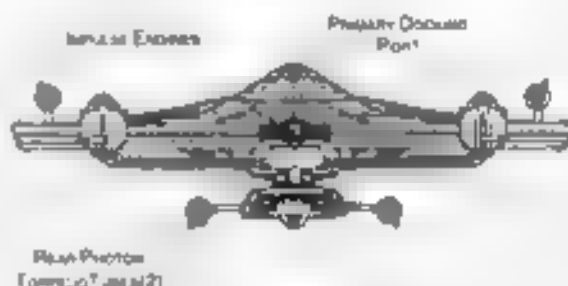
ATTACK CRUISER



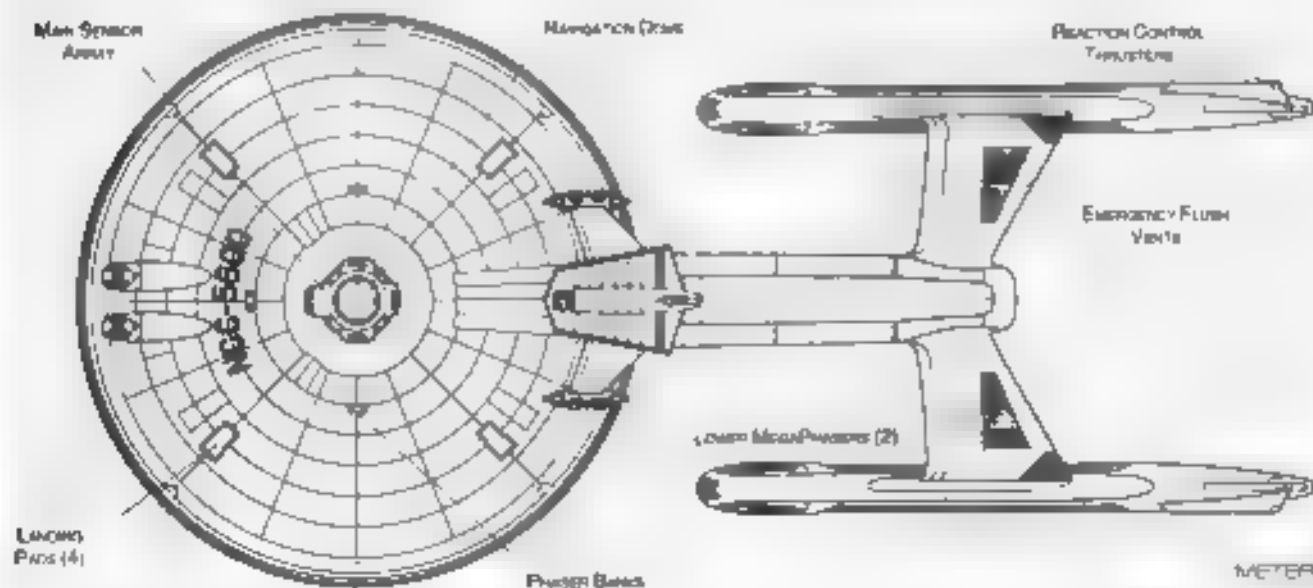
TOP PROFILE



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

METERS
0 10 20 30 40 50



Ship Names

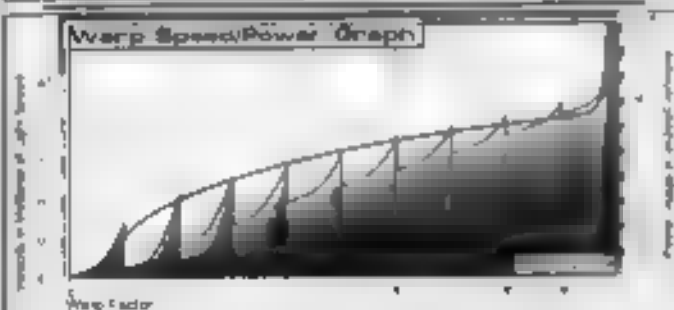
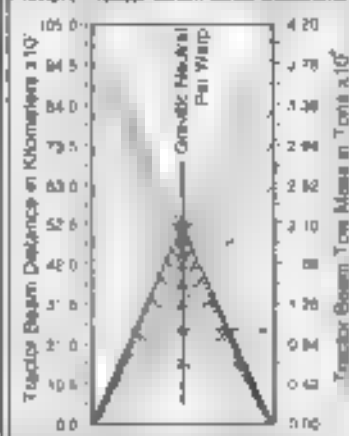
THE FOLLOWING SHIPS OF THE MK XXIII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2294.1)

ABERTRIMINI NCL 5818	ROSENZWEIG NCL 5800
MUTELLO NCL 5804	SALAZAR NCL 5808
HAVE FORAT NCL 5801	SIMPSON NCL 5824
DEERMAN NCL 5830	TABARES NCL 5879
WANNING NCL 58	TIPPIE NCL 581
ENKIL NCL 58	UNTER NCL 5808
AL KAMIRI NCL 5814	YANKEE NCL 5820
A JARE NCL 5895	WHEELER NCL 5806
RIKIAN NCL 5810	WHEAT NCL 5853
NO MENSON NCL 5808	WINDH NCL 58
BAHRA NCL 5814	WISLE NCL 5813
FLIEUX NCL 5807	WATLER NCL 5825
KLEIN NCL 5801	ZIMMERMAN NCL 582
BY JIMICK NCL 5800	
ESIK NCL 5837	
MILANE NCL 5800	
MO AIN NCL 5808	
WANTS IN NCL 5823	
NO ALFALFA NCL 5810	
NO GENTLE NCL 5829	
TATKMAN NCL 5808	
A N NCL 5808	
JARE NCL 5814	
LA JEFF NCL 5801	
LEBI NCL 58	

CLASHING, LOST IN THE LINE OF DUTY. PROPOSED. ALL NAMES APPROVED WITH S.A.S.

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



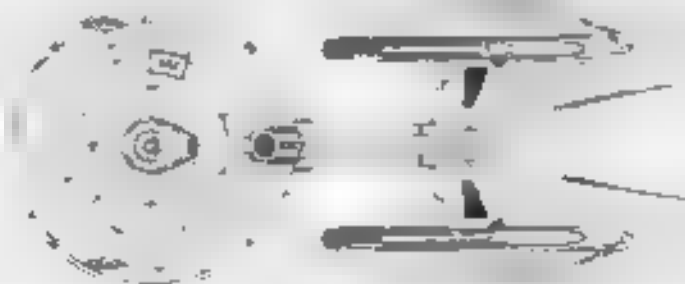
Field Length 888.41m
Field Width 197.80m
Field Height 88.13m



Front Warp Field Profile
Cross Section Area 18418.6 m²



Port Warp Field Profile
Cross Section Area 28218.46 m²



Top Warp Field Profile
Cross Section Area 28218.46 m²

WARP FIELDS

SRM2 04:02:01:04

STARFLEET REFERENCE MANUAL

BATTLE CRUISER



General Information

Specific Role: Designed to move into hostile situations and deliver large amounts of support firepower, the Battle Cruiser is quite able to take a beating. It is equipped with more powerful shields and sensors and extensive ECM. During military operations, the cruiser is used as a point assault ship and for main line defense. A secondary mission for the Battle Cruiser is extended duration, long range patrol duty.

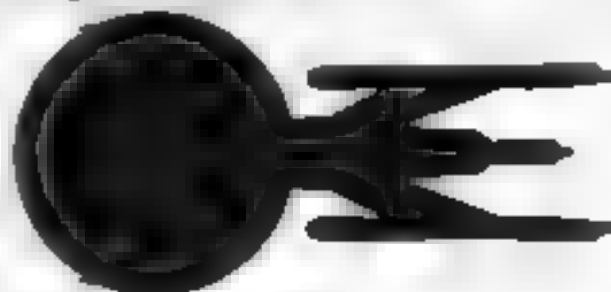
Physical Description: The PH147/A M21 primary hull is equipped with additional targeting sensors, hull reinforcements and weapons. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. On the lower part of the primary hull is the (SM49/8F) main sensor array and (DN4/7 H) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the rear of the secondary hull are two (BP2/30-2C) phaser banks. On the underside of the secondary hull are two additional (BP2/30-2C) phaser banks. Mounted on the primary hull's upper deck are two (MP2/15-2C) MegaPhasers (one to port, one to starboard). The vessel is equipped with dual (PB4/25-10R) photon torpedo bays mounted above and below the secondary hull. To the rear of the primary hull are (HIF/35E/5 C) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel is also equipped with additional inertia dampeners to compensate for its increased maneuvering capabilities. The vessel's warp fields are generated by three (SW52/5 A) warp nacelles. The outboard nacelles are attached to the secondary hull by (DL/42-51) support pylons while the third nacelle is attached to the primary hull by a (LD/28-5G) dorsal support pylon. Below the primary hull is the (SH/32/C/H3) secondary hull joined by a (C/255-5U) connecting dorsal. On the front of the secondary hull is a (DN2/T3) navigational deflector used to assist the navigational shields in deflecting oncoming debris. At the rear of the secondary hull is a medium hangar deck. Running through the connecting dorsal is the (M/9/L/1G) intermix chamber and inside the secondary hull are (AMB/40-5U) matter/antimatter storage tanks. For emergency jettisoning the storage tanks are installed immediately aft of the lower photon torpedo launcher. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ships to a complement. Once separated the primary hull can maneuver on impulse power for extended periods of time or if the third nacelle is still attached, minimal warp speeds.

Class Emblem

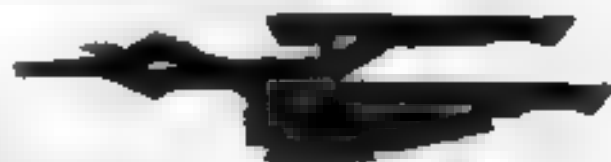


Ship Silhouettes

Total Tonnage Area 41081.40 m²



Top Silhouette
Area 87072.18 m²



Port Silhouette
Area 11249.84 m²



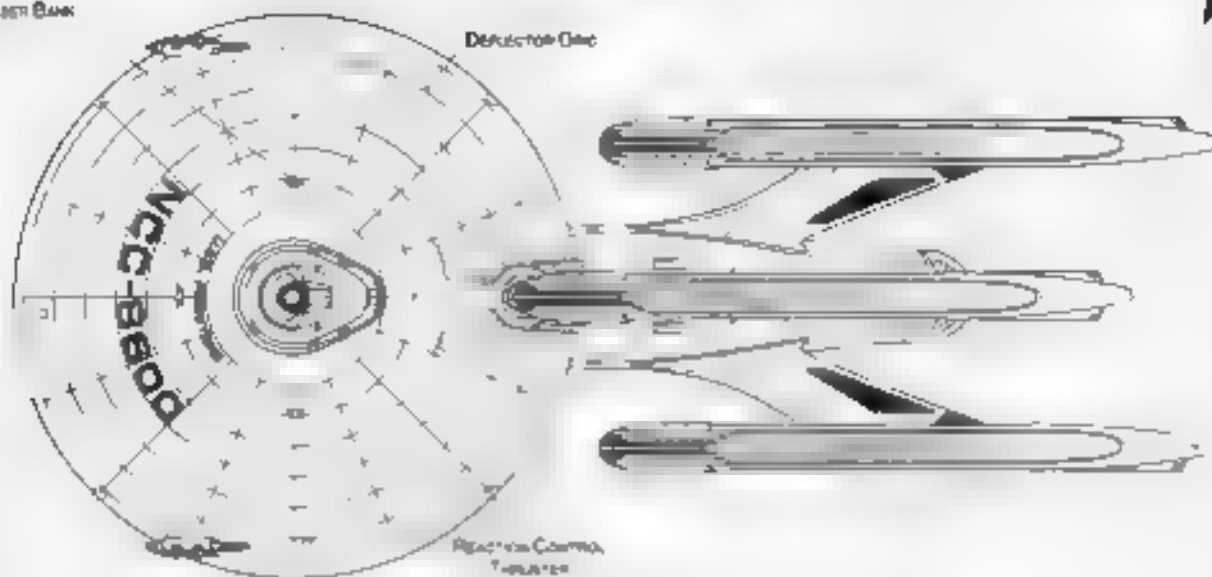
Front Silhouette
Area 228.80 m²

BATTLE CRUISER

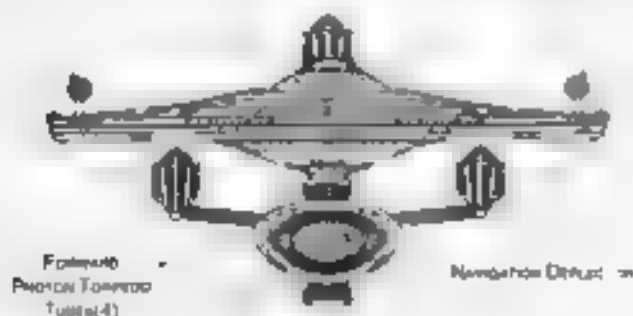


PHASER BANK

DETECTOR DOME

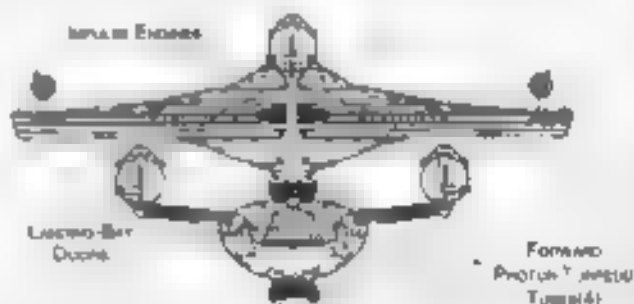


TOP PROFILE



FRONT PROFILE

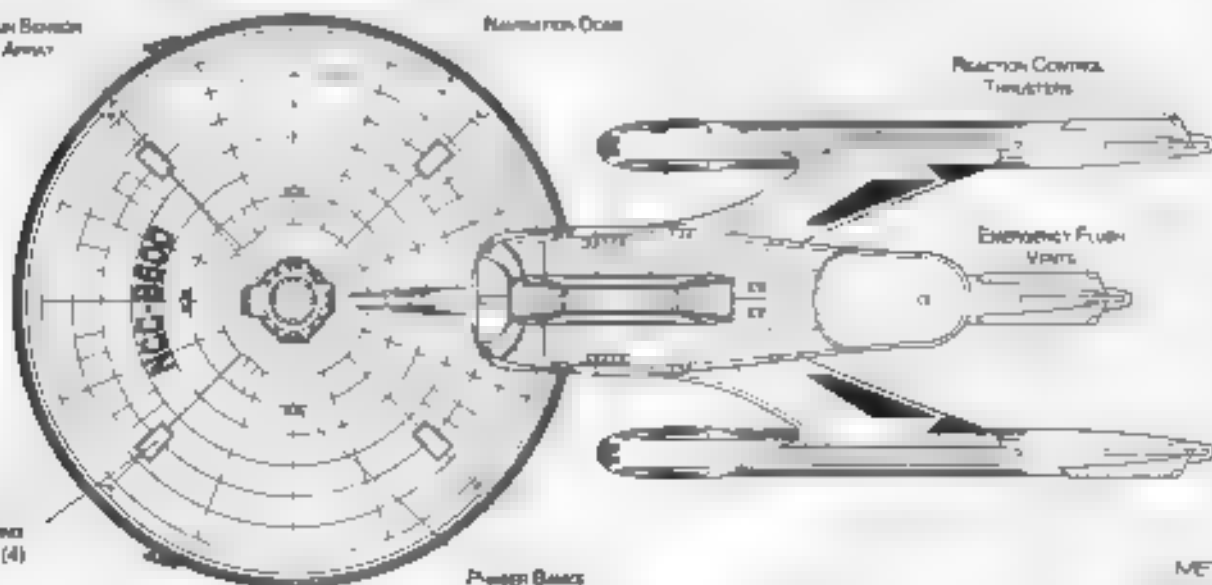
IMPULSE ENGINES



REAR PROFILE

MAIN BOWDIN AREA

NAVIGATION CONSOLE



BOTTOM PROFILE

METERS
0 10 20 30 40 50



BATTLE CRUISER

Ship Names

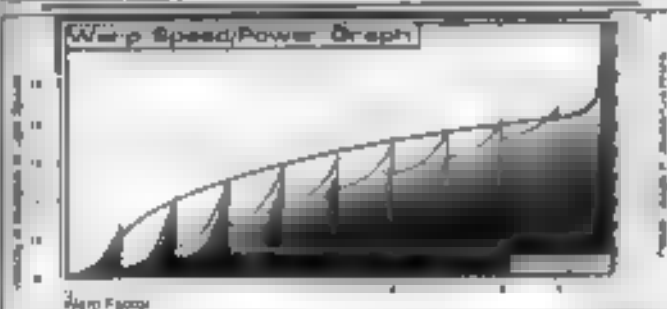
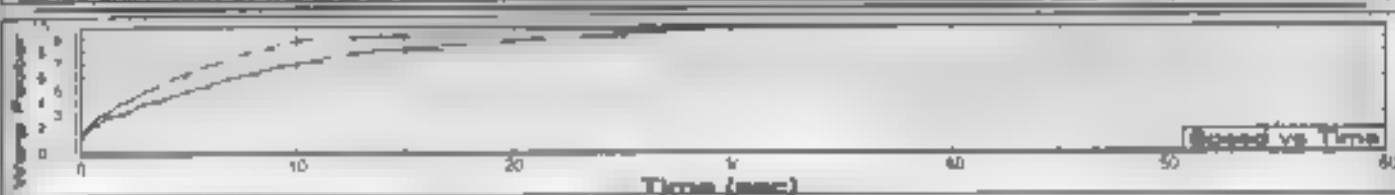
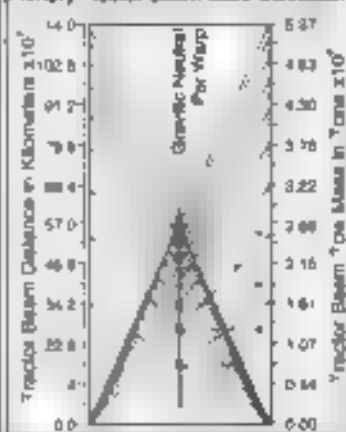
THE FOLLOWING SHIPS OF THE MK XXXR CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 0071.8

[illegible][illegible]

'CLASH OF SHIP, 300 FT IN THE LINE OF DUTY, PROPOSED, ALL NAMES FORWARDED WITH 31.1.1.1.'

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Front Warp Field Profile
Cross Section Area 10040.10 m²

Port Warp Field Profile
Over Bow: Area 8888.88 m²

Top Warp Field Profile
Cross Section Area: 103001.84 m²

WARP FIELDS

SAM2 04:02:02:04

STARFLEET REFERENCE MANUAL

FIRESTONE CLASS

PERFORMANCE ON WEEKEND

BATTLESHIP



General Information

Specific Role: The Battleship's primary military role is as a capital assault ship and as a command flagship. An advanced strategic bridge on the Battleship provides a comprehensive platform for the command of large scale fleet operations. The Battleship is one of the Federation's most powerful main-battle vessel, and as such its role throughout any theater is predominantly military. The formidable presence of this class of capital vessels has assured the signing of many treaties and peaceful outcome to many conflicts.

Physical Description: The Battleship's (PHF147-A-A4) extended primary hull is equipped with extremely heavy weapons, shielding, and ECM/ECM devices, as well as a B5-2-A-S4 strategic bridge which incorporates dual weapons stations and an additional tracking station and a multitiered command level. Located between the two tiers in the bridge is the (PB001/H'D-02) holographic battle field display unit that gives the Fleet Commander immediate updates in combat developments and can also be used to run battle simulations. Mounted on the side side of the primary hull are the integrated SM49/40 main sensor array and DN147/X navigational tracking dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (B52-50-20) phaser banks. Port and starboard in the upper primary hull forward of the raised extension are the (N2/G-4-2) navigational deflectors used to assist the navigational shields in deflecting incoming defies. Mounted on the rear of the primary hull are (IP188E/7-L1) dual impulse engines which are used for auxiliary power and sub-warp propulsion. Two medium hangar decks are installed, one on either side of the impulse engines in the rear of the primary hull. The vessel's warp fields are generated by two (N5-1-5A) advanced warp nacelles attached to the secondary hull by (D1-147-HX) support pylons. Attached directly to the primary hull is the (S1221/A-M) secondary hull. In the bow of the secondary hull is a (N2-6-6) navigational deflector and at the rear of the primary hull is a (DN2-6-6M) modified navigational deflector both of which are used in conjunction with the navigational shields to deflect objects out of the path of the ship and move them into the path of pursuing vessels. Within the secondary hull are the (M62-4-A) intermix chamber and (AM4-4K-4K) matter/antimatter storage tanks. The storage tanks are located on the spine of the hull for emergency jettisoning. Above the primary hull extension mounted port and starboard top and bottom are four (M12/15-20) Megabussers. Above the primary hull and supported by the (D1-52-2W) roll bar is a (PH4-50-10E) photon torpedo pod. On lower rear of the secondary hull are two (M12-15-20) Megabussers. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ships full complement. Once separated the primary hull can generate its own power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 22067.88 m²



Top Silhouette

Area 20641.22 m²



Port Silhouette

Area 10893.72 m²



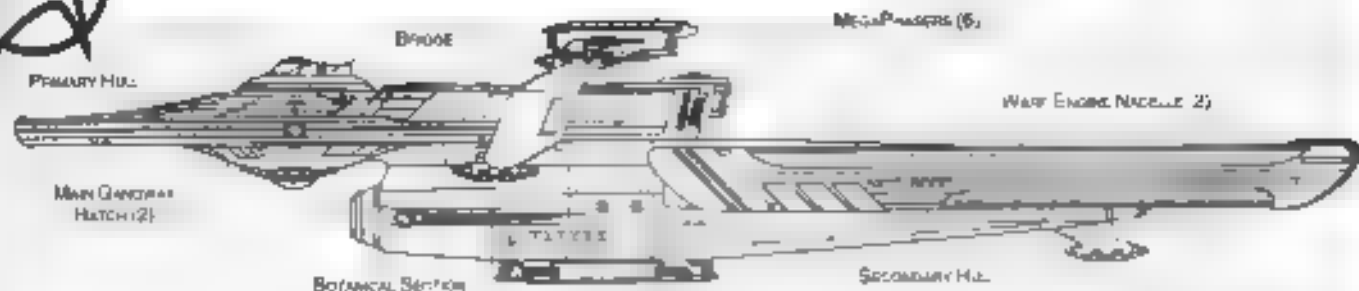
Front Silhouette

Area 5472.92 m²

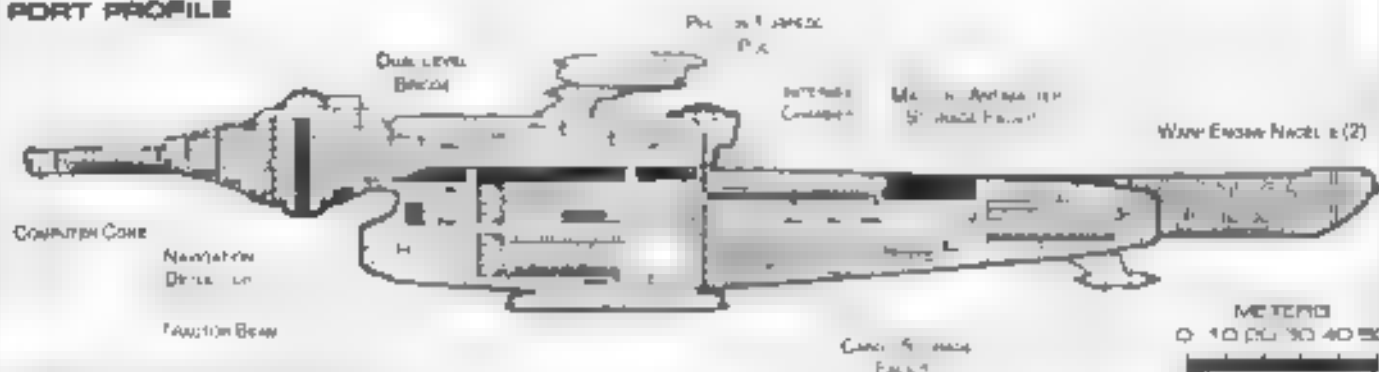


BATTLESHIP

KODIAK CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification, Shipping

Category: Assault Ship

Class: K-100

SYD: 1000

Model: K-100

Naval Construction Category: 8000

Number Proposed: 10

Number Constructed: 18

Number in Service: 18

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 101.45m

Width: 41.2m

Height: 65.4m

Primary Hull Dimensions (Meters)

Length: 75.0m

Width: 14.12m

Height: 12.94m

Secondary Hull Dimensions (Meters)

Length: 21.4m

Width: 86.37m

Height: 11.44m

Warp Grid Dimensions (Meters)

Length: 71.5m

Width: 28.84m

Height: 7.68m

Displacement (Metric Tons)

Light: 432,825-m

Standard: 483,124m

Full Load: 5,166,444

Impulse Units:

Impulse Unit: Dual Unit (P+BE/7-LM)

Impulse Engine Output: 7.8x10¹³ W

Impulse Power Index: 0.430

Max Cruising:

Acceleration Rate:

0.00-0.25 impulses: 0.498 sec

0.25-0.50 impulses: 0.704 sec

0.50-0.75 impulses: 0.839 sec

0.75-Full impulse: 1.1 sec

Warp Units: 2 Nozzle Units (SYN/14-SAC)

Warp Engine Output: 2.16x10¹⁵ W

Warp Power Index: 0.77

Optimum Speed: Warp 4

Max Safe Cruising: Warp 4

Emergency Speed: Warp 9

Max Speed: Warp 9

Destructive Speed: Warp 9.7

Acceleration Power:

Acceleration Time:

Warp 1: Warp 2: 20 sec

Warp 2: Warp 3: 4 sec

Warp 3: Warp 4: 5.4 sec

Warp 4: Warp 5: 7.7 sec

Warp 5: Warp 6: 4.26 sec

Warp 6: Warp 7: 6.4 sec

Warp 7: Warp 8: 36 sec

Warp 8: Warp 9: 4.8 sec

Warp 9: Warp 9.5: 1.34 sec

Warp 9.5: Warp 9.7: 2.49 sec

Warp 9.7: Warp 9.9: 25.96 sec

Station (Tons)

Standard: 4 Tons

Maximum: 24 Tons

Std. Ship Complement: 700

Officers: 7

Crew (Design Grade): 527

Troops:

Passengers: 94

Emergency condition: +920

Medical Facilities:

Doctors: 8

Nurses: 42

Operating Rooms: 8

Beds: 42

Laboratories: 4

Transporters: Total 24

1 Person: 0

2 Person: 0

6 Person: 0

12 Person: 0

24 Person: 0

Small Cargo: 4

Medium Cargo: 4

Large Cargo: 3

Super Cargo: 0

Range:

Resistance: 10

Initial Range:

Tom Capacity: 0 (10000)

Max Range: 10 (10000)

Cargo Specification:

Standard Cargo Data: 1000

Cargo Capacity: 10000

Shuttlecraft Specification:

Docking Ports:

Shuttlecraft Bays Total: 2

Small Bay:

Medium Bay: 1

Large Bay:

Super Bay: 0

Shuttlecraft Standard: 10

Work Room: 1

Travel Pods:

Aquatic Shuttle: 1

Light Shuttle: 1

Standard Shuttle: 12

Heavy Shuttle: 2

Cargo Shuttle: 1

Aerobic Shuttle: 3

Blister Boat:

Fighter:

Heavy Fighter: 7

Lifeline:

Turbolift (3 person): 23

Lifeline: 10 person: 33

Lifeline: 20 person: 4

Lifeline: 30 person: 1

Cooking Facilities:

Recess Index Value:

Planetary Ferry: 10000

Starliner Ferry: 5000

Short Range: 10

Long Range: 0000

Navigation: 2429

Special: 0000

Comms: 2

Type: 1000000000000000

Type: 1000000000000000

ECM Index: 1000

Shield Rating:

Shield Index: 100

Moldoff Power: 4000 (10000)

Refresh Rate: 4000 (10000)

Breakdown Rate: 1000 (10000)

Shield Dimensions (Meters)

Length: 4.52m

Width: 11.1m

Height: 42.56m

Weapons:

Phaser Power Index: 2

Photon Power Index: 100

Torpedo Power Index: 42

Weapon Placement:

Beams (Phasers) Total: 10 banks 2 each

Output: 5.0 x 10¹⁰ W 2.5 x 10¹⁰ W

Range: 100 km

Rate of Fire: 30 ppm Corl

Forward Banks: 2

Rear Banks: 2

Port Banks: 2

Starboard Banks: 2

Upper Banks: 2

Lower Banks: 2

Beam (MegaPhasers) Total: 6

Output: 1.8 x 10¹⁰ W 3.6 x 10¹⁰ W

Range: 100 km

Rate of Fire: 15 ppm Corl

Forward/Rear Banks: 2

Port/Starboard Banks: 0

Upper/Lower Banks: 4

Torpedoes (Photon) Total: 3 Bay 2 each

Block: 250

Range: 200 km

Output: 1000 Megatons

Rate of Fire: 10 ppm

Forward Bay: 3

Rear Bay: 2

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

INFORMATION CENTER



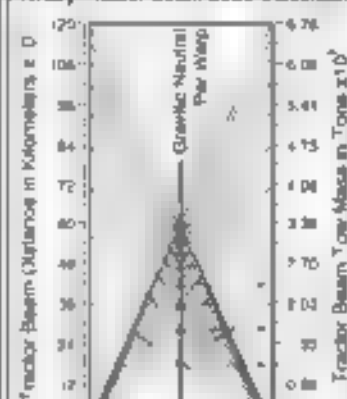
Ship Names

THE FOLLOWING SHIPS OF THE XXI CLASS WERE AUTHORIZED BY THE AMERICAN
ARTICLE OF FEDERATION OF STARGATE 2273.2

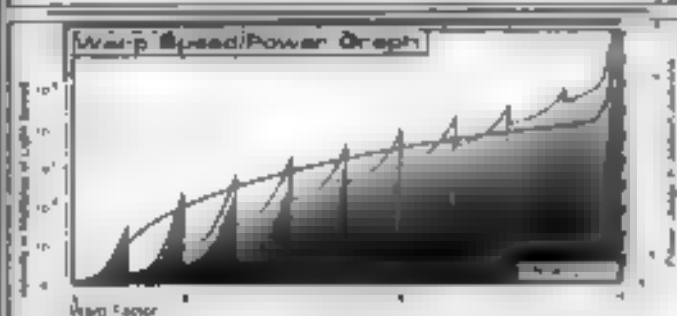
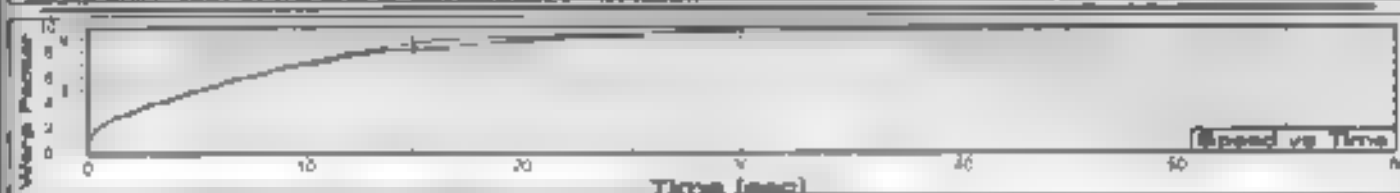
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Tractor Beam Specifications

Primary Tractor Beam Load Calculator



~~CLASSIFIED "TOP SECRET" IN THE NAME OF ARMY. DISCLOSED ALL MATTERS PROCEEDED WITH "TOP SECRET"~~



電話 03-3408-7111 FAX 03-3408-7112
 電話 03-3408-7111 傳真 03-3408-7112
 電話 03-3408-7111 FAX 03-3408-7112



Front Warp Field Profile
Cross Section Area 18100.44 m²

Port Warp Field Profile
Over Seven Acre 8887.80 m²

Top Warp Field Profile
Gross Section Area 115026.58 m²

WARP FIELDS

SRM2 04:02:03:04

STARFLEET REFERENCE MANUAL

KODIAK CLASS

FEDERATION VESSEL

ESCORT CRUISER



General Information

Specific Role: The Escort Cruiser's major strength comes from its turret mounted rapid firing photon torpedo pod and in its role as convoy escort it can lay down '360°' suppressing and defensive fire in a remarkably short amount of time due to the photon torpedoes' direct path to the target and quick tube cycle time).

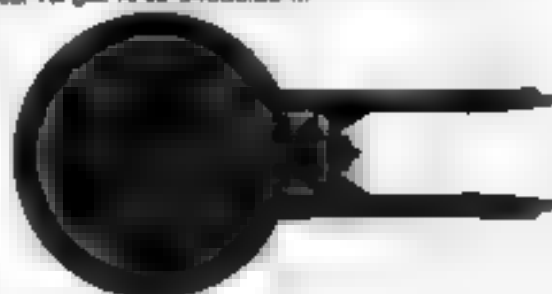
Physical Description: The (PH147/A M4) primary hull is equipped with additional targeting sensors, hull reinforcements and a small hangar deck located on the upper starboard side. Integrated into the standard deflector grid are additional Electronic Counter Measures to make the vessel more stealthy. The primary hull is equipped with the (BS1/A T3) bridge which incorporates a larger weapons and tracking station. On the lower part of the primary hull is the (SM49/2K) main sensor array and (LN4/4P) navigational dome. Located on the port, starboard and bow of the primary hull (both top and bottom) are six (BP2/302C) phaser banks. At the base of the secondary hull is the turreted (TPH2/25-200) photon torpedo pod. On the lower secondary hull are four additional (BP2/302C) phaser banks. To the rear of the primary hull are (P186E/E-U) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52/5WE) warp nacelles attached to the primary hull by (DL/56B) support pylons. Attached below the primary hull is the (SM88/A18) secondary hull. On the front of the secondary hull is the (DN2/D7) navigational deflector used to assist the navigational shields in deflecting oncoming debris. On the stern of the secondary hull is a medium hangar deck. Inside the secondary hull is the (M25/244A) intermix chamber and (AM8/344P) matter antimatter storage tanks. The storage tanks are installed in the rear of the secondary hull just behind the intermix chamber for emergency jettisoning. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 34080.80 m²



Top Silhouette
Area 8211.438 m²



Port Silhouette
Area 10888.88 m²



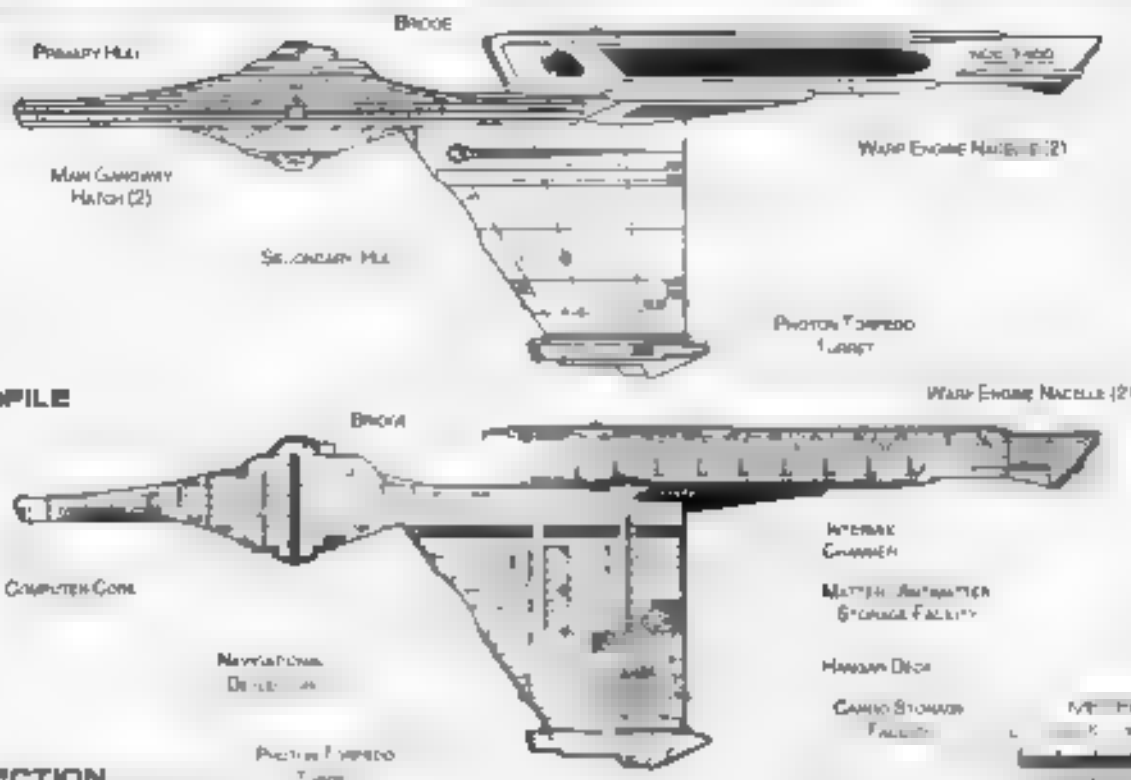
Front Silhouette
Area 34080.80 m²



ESCORT CRUISER

FEDERATION VESSEL

PORT PROFILE



CROSS SECTION

Statistics

Classification: *USS* *USS*
Category: *Escort Ship*
Class: *Magistrates*
Type: *USS*
Model: *USS*
Naval Construction Contract: 7400
Number Proposed: 40
Number Constructed: 35
Number in Service: 35
Number Lost: 0
Dimensions:
 Overall Dimensions (Meters)
 Length: 144 m
 Width: 41.2 m
 Height: 32.94 m
 Primary Hull Dimensions (Meters)
 Length: 144 m
 Width: 41.2 m
 Height: 32.94 m
 Secondary Hull Dimensions (Meters)
 Length: 8.96 m
 Width: 13.2 m
 Height: 14.08 m
 Warp Unit Dimensions (Meters)
 Length: 54.6 m
 Width: 12.63 m
 Height: 18.32 m
Displacement (Metric Tons)
 Light: 56,600mt
 Standard: 78,430mt
 Full Load: 99,350mt
Performance:
 Impulse Units: Dual Unit (P1155/E-RJ)
 Impulse Engine Output: 6x10³ W
 Impulse Power Index: 1.11
 Max Cruising: C
 Acceleration Rate:
 0.00-0.28 Impulse: 0.18 sec
 0.28-0.50 Impulse: 0.27 sec
 0.50-0.78 Impulse: 0.36 sec
 0.78-Full Impulse: 0.452 sec
 Warp Units: 2 Nuclei Units (BWS27-BWE)
 Warp Engine Output: 1.2x10¹⁰ W
 Warp Power Index: 1.110

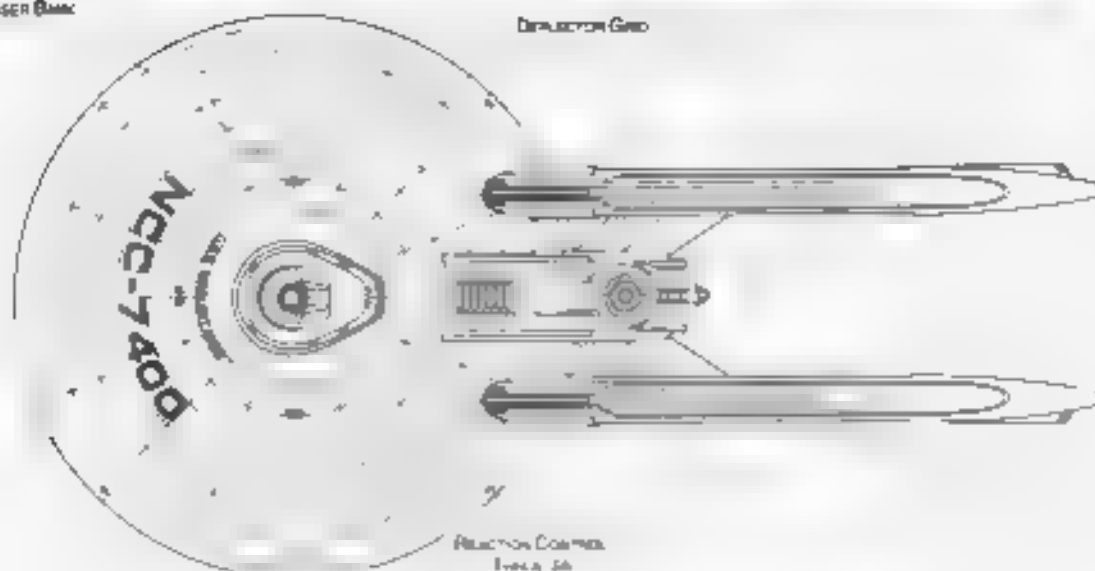
Optimum Speed: *Fast* 4
Max Safe Cruising: *Fast* 4
Emergency Speed: *Warp* 0
Max Speed: *Warp* 4
Destructive Speed: *Warp* 0.05
Acceleration Power: 0
Acceleration Index:
 Warp 1 Warp 2 1.8 sec
 Warp 3 Warp 3 2.92 sec
 Warp 4 Warp 4 3.93 sec
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ESCORT CRUISER

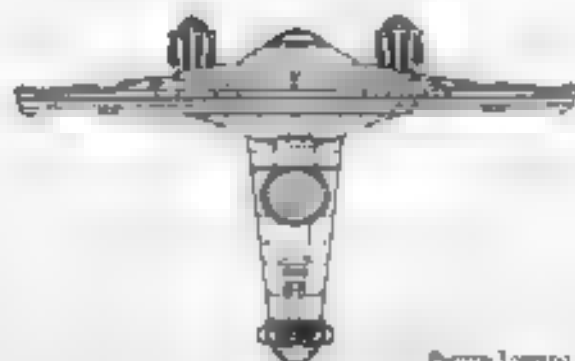


PHASER BANK

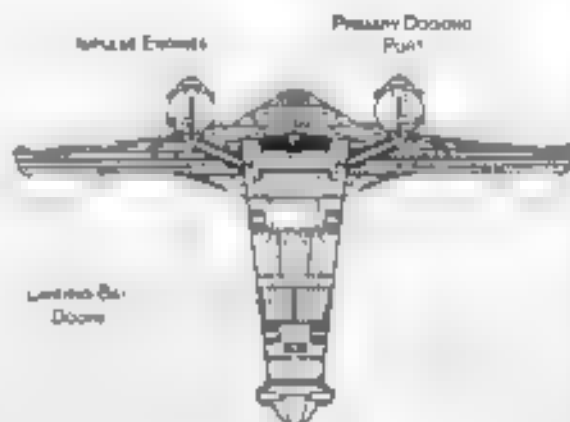
DEFLECTION GRID



TOP PROFILE



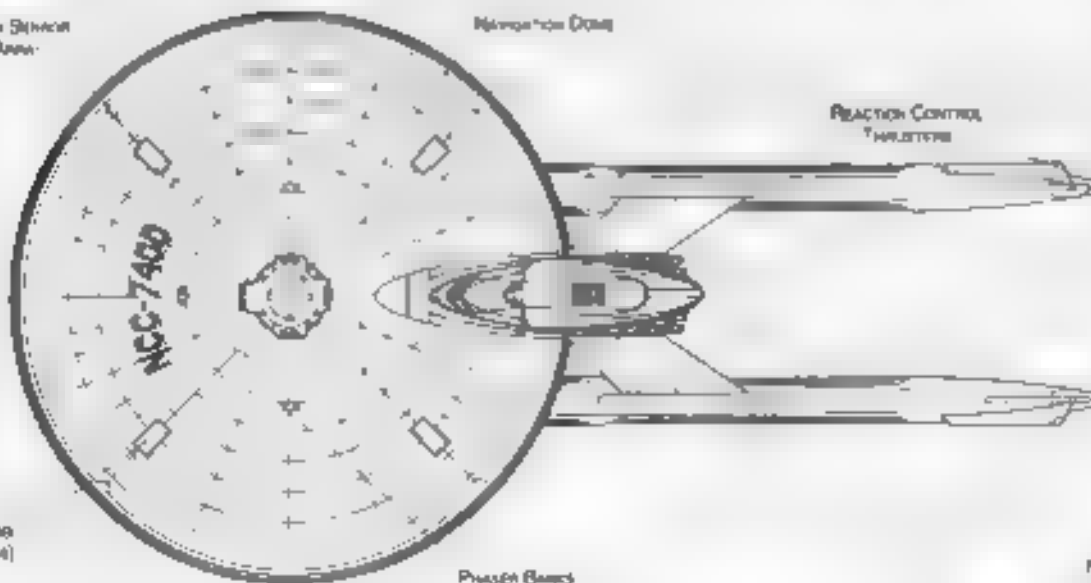
FRONT PROFILE



REAR PROFILE

MAIN SERVICE AREA

REACTOR CORE

LANDING
PADS (4)

PHASER BANK

BOTTOM PROFILE

METERS
0 10 20 30 40 50



ESCORT CRUISER

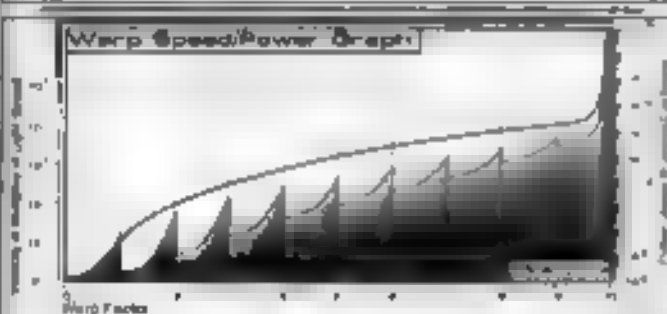
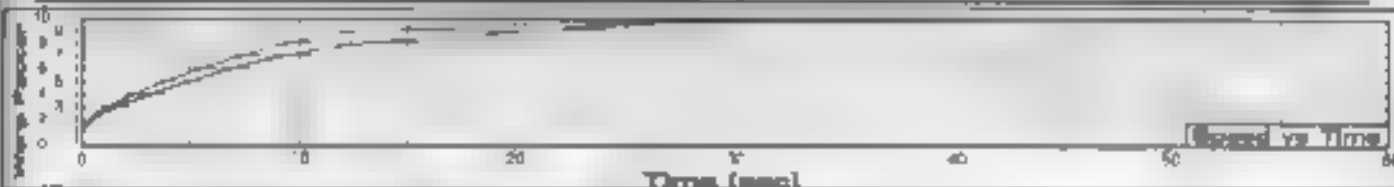
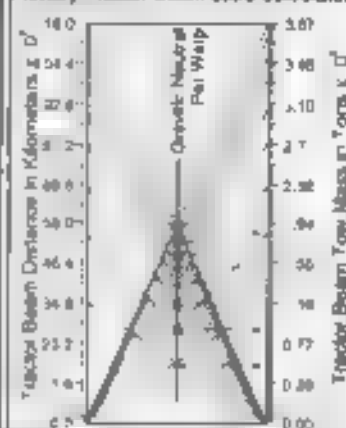
Ship Names

THE FOLLOWING SHIPS OF THE MK-III CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2274.2

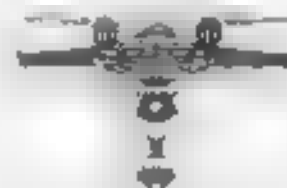
ALLEN MKC 404	MASKE MKC 427
ARTHUR MKC 781A	MEADE MKC 419
BEAKEY MKC 743A	MILLER MKC 417
BLANSON MKC 435	QUINN MKC 407
CLARK MKC 429	QUINN MKC 407
CLARK MKC 741B	PENDGRAFT MKC 741B
DAWKINS MKC 407	QUINN MKC 430
DEWEESER MKC 7407	RICHARDS MKC 7407
ELKINDS MKC 743	SHAWGO MKC 425
ERD MKC 408	THURMELSON MKC 428
EVANS MKC 438	UNION MKC 438
GRUB MKC 7423	VAUGHN MKC 422
HOLDER MKC 740	WEBB MKC 402
HOCHORN MKC 7432	WANDER MKC 7432
JOHNSON MKC 7408	ZACH MKC 7408
KIRBY MKC 428	
KIRBY MKC 429	
KIRBY MKC 431	
KIRBY MKC 7421	
KIRBY MKC 7433	
KIRBY MKC 744	
KIRBY MKC 403	
KIRBY MKC 7420	
KIRBY MKC 74	
KIRBY MKC 7400	

Tractor Beam Specifications

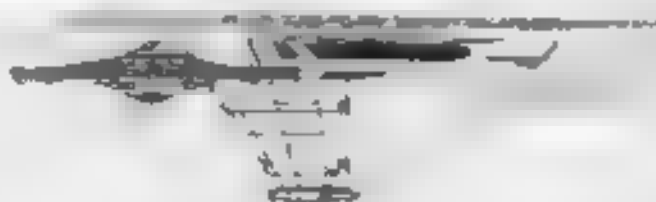
Primary Tractor Beam Load Calculator



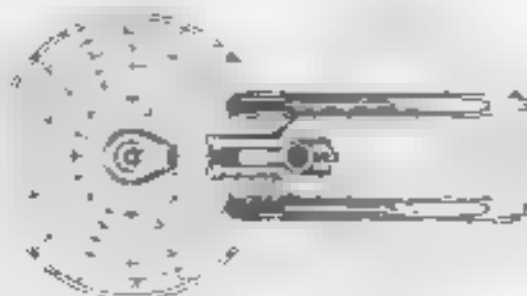
Field Length: 803.30m
Field Width: 810.83m
Field Height: 118.80m



Front Warp Field Profile
Cross Section Area: 11248.08 m²



Port Warp Field Profile
Cross Section Area: 11270.78 m²



Top Warp Field Profile
Cross Section Area: 11270.78 m²

WARP FIELDS

SRM2 04:02:04:04

STARFLEET REFERENCE MANUAL

MAGUELLANES CLASS

FEDERATION VESSEL

GUNBOAT



General Information

Specific Role: The Gunboat is a high maneuverability in-system warp capable ship primarily used in a defensive role. As a cost saving measure the hull is a modified Oberth Class research vessel upper section. The craft is armed with dual mega-phasers making it a powerful weapons platform in a very small, maneuverable package.

Physical Description: The SH-03/A T6 ship is equipped with additional targeting sensors and hull reinforcements. The gunboat is equipped with a TOS-A C-5 bridge which incorporates an enhanced weapons and tracking station. On the lower part of the hull is the SM-5-31 main sensor array and UN2-6T navigational dome. Positioned forward of the bridge is a (MP2-80-2C) phaser bank. Mounted onto the outboard hull on the forward nacelles are (MP2-15-2U) MegaPhasers. At the rear of the primary hull are (SR-1B-2 F) nuclear impulse units which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by three (SL-18-1-2 M) warp nacelles two attached to each side of the hull and the third attached below the hull. Running horizontally between the upper nacelles is the M-16-3-2B intermix chamber. Installed to the rear of the hull are the (AM-5-24-2P) matter/antimatter storage tanks for emergency jettisoning. On the front of the hull is a small hanger deck. In the event of an emergency the primary hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 10400.00 m²



Top Silhouette
Area 7100.0 m²



Rear Silhouette
Area 2100.40 m²

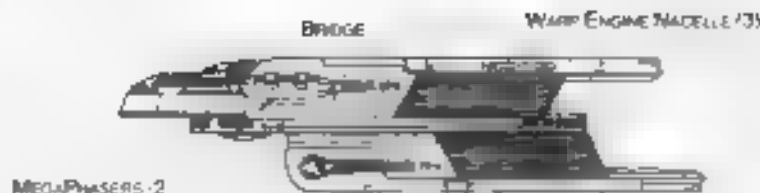


Front Silhouette
Area 1000.00 m²



GUNBOAT

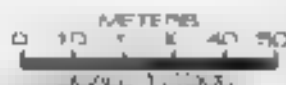
ORCA CLASS



PORT PROFILE



CROSS SECTION



Statistics

Classification: Gun Boat
Category: Assault Ship
Class: Orca
Year: 1992
Model: 444 II
Naval Construction Contract: 100
Number Proposed: 4
Number Constructed: 88
Number in Service: 80
Number Lost: 8
Dimensions:
Overall Dimensions (Meters)
 Length: 100m
 Width: 82.22m
 Height: 24.1m
Primary Hull Dimensions (Meters)
 Length: 87.73m
 Width: 82.01m
 Height: 5.22m
Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
Warp Unit Dimensions (Meters)
 Length: 83.09m
 Width: 10.65m
 Height: 7.7m
Displacement (Metric Tons)
 Light: 17,362mt
 Standard: 36,387mt
 Full Load: 40.8 Gmt
Performance:
Impulse Units: Dual Jnt IISR 08Z-EP
Impulse Engine Output: 50M J³W
Impulse Power Index: 5.43
Max Cruising: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.147 sec
 0.25-0.50 Impulse: 0.221 sec
 0.50-0.75 Impulse: 0.295 sec
 0.75-Full Impulse: 0.368 sec
Warp Unit: 3 Nacelle Units (SLC3011-207)
Warp Engine Output: 2.88x10¹⁴ W
Warp Power Index: 30

Optimum Speed: Warp 4
Max. Safe Cruising: Warp 5
Emergency Speed: Warp 6.1
Max. Warp 9.9
Destructive Speed: Warp 9.2
Acceleration Power: 30
Acceleration Times:
 Warp 1 Warp 2 0.157 sec
 Warp 2 Warp 3 0.24 sec
 Warp 3 Warp 4 0.30 sec
 Warp 4 Warp 5 0.34 sec
 Warp 5 Warp 6 0.37 sec
 Warp 6 Warp 7 0.4 sec
 Warp 7 Warp 8 0.43 sec
 Warp 8 Warp 9 0.46 sec
 Warp 9 Warp 9.5 0.79 sec
 Warp 9.5 Warp 9.75 2.9 sec
 Warp 9.75 Warp 9.9 6.19 sec

Duration (Years)
Standard: 1 Year
Maximum: 2 Years
Std. Ship Complement: 75
Officers:
 Crew (Basic Grade): 57
 Troops: 4
 Passengers: 3
Emergency readiness: +92
Medical Facilities:
 Doctors: 2
 Nurses: 12
Operating Rooms: 2
Beds:

Laboratories:
Transporters Total: 2
 3 Person: 0
 2 Person: 0
 6 Person: 0
 12 Person: 0
 22 Person: 0
 Small Cargo: 0
 Medium Cargo: 0
 Large Cargo: 0
 Super Cargo: 0

Bridge:
Replicators: 4
Transfer Beams: 1
 Low Capacity: 20x10¹⁴ W
 Max Range: 1/2 inch
Cargo Specifications:
 Standard cargo Units: 30
 Cargo Capacity: 10000
Spacecraft Specifications:
Docking Ports:
Shuttlecraft Bays Total:
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
Shuttlecraft Standard: 8
Work Bays:
 Travel Pods: 0
 Aquatic Shuttle: 0
 Light Shuttle: 0
 Standard Shuttle: 2
 Heavy Shuttle: 0
 Cargo Shuttle: 1
 Assault Shuttle: 7
 Killer Bots: 1
 Fighter:
 Heavy Fighter: 0
Lifboats:
 Turbo-Lift (5 persons): 10
 Liftboat (10 persons): 0
 Liftboat (30 persons): 0
 Liftboat (50 persons): 0

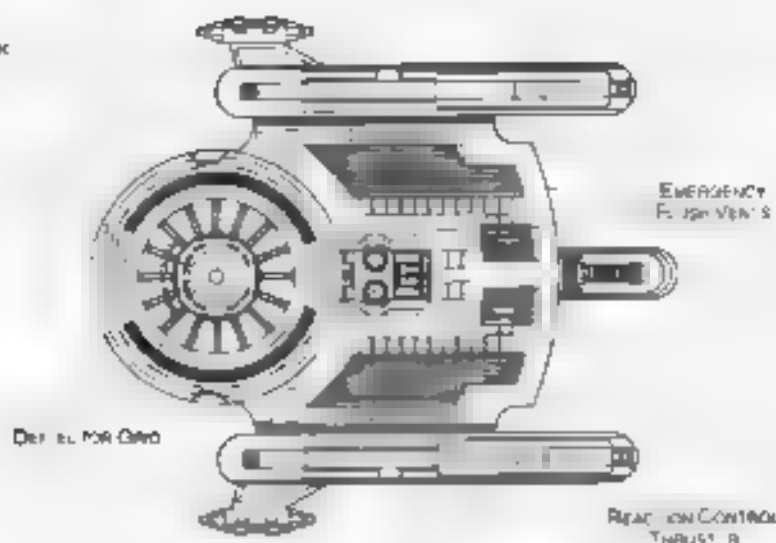
Checking Devices: 7
Sensor Index Values:
 Primary Survey: 4360
 Radar Survey: 0.4826
 Short Range: 1502
 Long Range: 328
 Navigation: 3252
 Special: 1.5867
Communications: 2
 Type: Xentron Duetronic 14
 Type: Xentron Duetronic 14

SCM Index: 1.01
Shield Rating:
 Shield Index: 4.88
 Holdoff Power: 1.8x10¹² W
 Refresh Rate: 1.9x10¹² W
 Breakdown Rate: 0.4x10¹² W
 Shield Dimensions (Meters)
 Length: 7.8m
 Width: 127.05m
 Height: 31.57m
Starboard:
Power Power Index: 3.74
Photon Power Index: 0
Vessel Power Index: 87
Weapon Placement:
Beam (Phasers) Total: banks 2 each
 Output: 5x10¹⁰ W 2.5x10¹¹ W
 Range: 2.5x10¹⁰ km
 Rate of Fire: 30 ppm Cont
Forward Banks:
 Main Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
Beam (MegaPhasers) Total: 2
 Output: 2.8x10¹² W 3x10¹² W
 Range: 1.0x10¹⁰ km
 Rate of Fire: 5 ppm Cont
Forward/Rear Banks: 0
Port/Starboard Banks: 2
 Upper/Lower Banks: 0
Torpedoes (Photons) Total: 0
 Stock: N/A
 Range: N/A
 Output: N/A
 Rate of Fire: N/A
Forward Bay: 0
Rear Bay: 0
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

FEDERATION VESSEL



PHASER BANK



TOP PROFILE

MANOVRING DECK



FRONT PROFILE

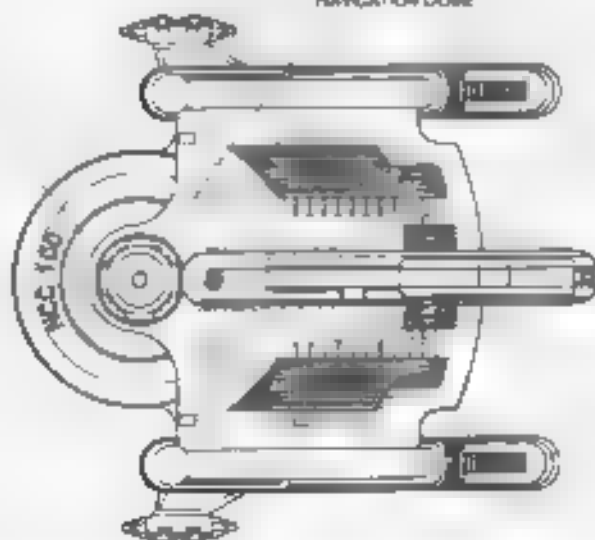
IMPLUSE ENGINES



REAR PROFILE

MAIN SENSOR ARRAY

NAVIGATION DOME



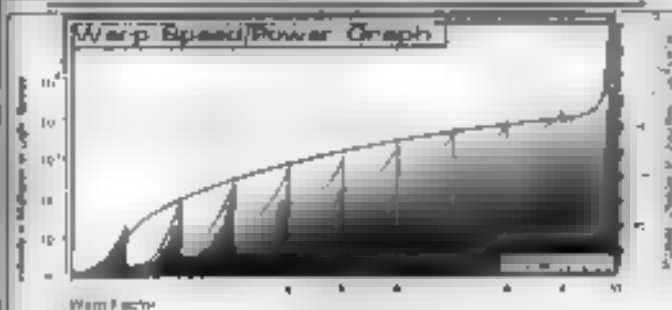
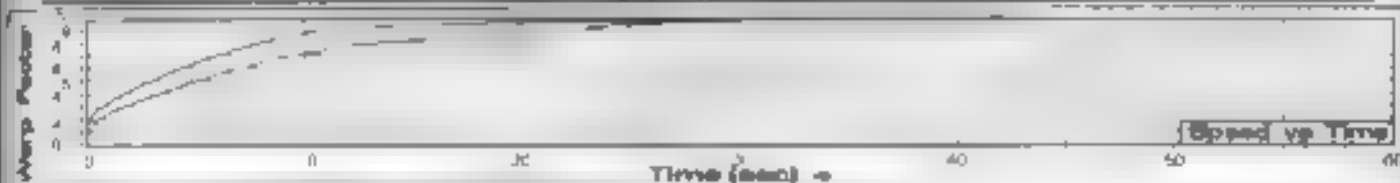
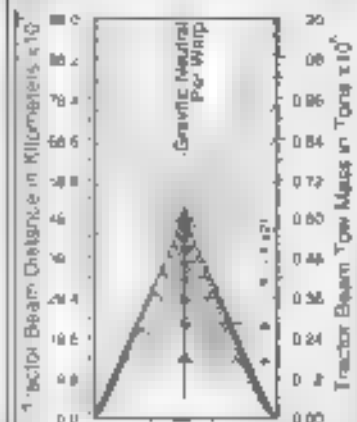
BOTTOM PROFILE



[illegible]

DRCA CLASS

Library Factor Beam Load Calculator

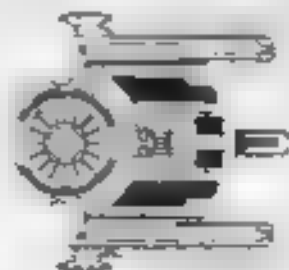


Puesto: Computación 4674 23-77
 Puesto: Vendedor 7 878 23-77
 Puesto: Programador 57 38 23-77



Fracture Wave Field Profile

From 1990 to 1992, the average annual rate of increase in the number of people aged 65 and over was 1.2%.



Port Warp Field Profile

Cross Section Area 0.000278 m²

WARP FIELDS

SAM2 04:02:05:04

STABFLEET REFERENCE MANUAL

Top Wave Field Profile

Crane Section Area 41105.38 m²

FEDERATION VESSEL

LIGHT CORVETTE



General Information

Specific Role: The Light Corvette is an armed light escort and patrol vessel equipped with photon torpedo launchers. The ship is armed with an Avenger class photon torpedo pod allowing it to deliver a photon barrage. As a cost saving measure the hull is a modified Oberth Class research vessel upper section.

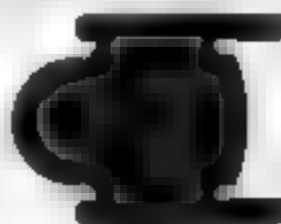
Physical Description: The (SH103 A P6) ship is equipped with additional targeting sensors and hull reinforcements. The corvette is equipped with a (BF5 A-C5) bridge which incorporates an enhanced weapons and tracking station. On the lower part of the hull is the (SM15-4C) main sensor array and (DN2-2R) navigational dome. Positioned forward of the bridge is a (BP2-30-2C) phaser bank. Sitting underneath the primary hull by two (DT-30-15C) engineering dorsals is a (PM4/50-10T) photon torpedo pod. At the rear of the primary hull are (SR10F-2 SA) dual impulse units which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by two (SC-18-1-2RY) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M24-1-21) intermix chamber. Installed to the rear of the hull are the (AM-1-18-2P) matter/antimatter storage tanks for emergency refueling. On the front of the hull is a small hangar deck. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Torpedo Area 6961.00 m²



Top Silhouette
Area 6961.00 m²



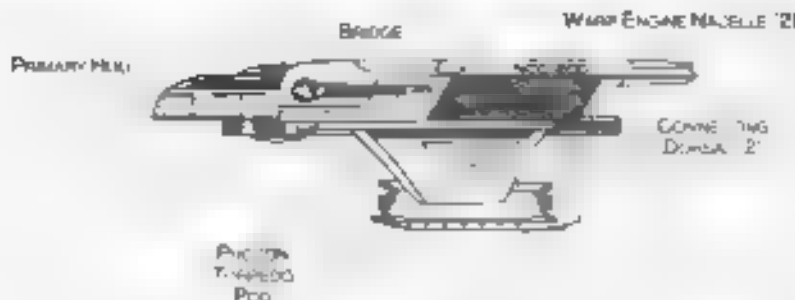
Port Silhouette
Area 1800.72 m²



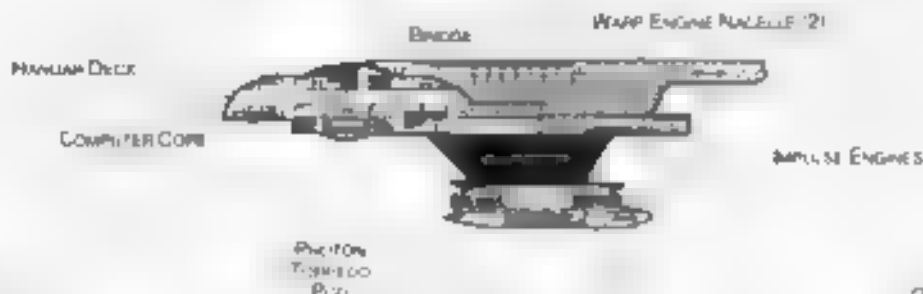


LIGHT CORVETTE

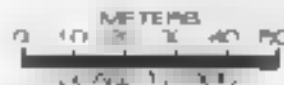
STARSHIP CLASS



PORT PROFILE



CROSS SECTION



Statistics

Classification: Light Corvette
Category: Assault Ship
Class: Intake
Type: Class 2
Model: MH IV
Naval Construction Cost: 200
Number Proposed: 14
Number Constructed: 82
Number in Service: 15
Number Lost: 0
Dimensions:

Overall Dimensions (Meters)
 Length: 101.73m
 Width: 82.97m
 Height: 11.42m
Primary Hull Dimensions (Meters)
 Length: 92.1m
 Width: 82.97m
 Height: 5.22m

Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A

Warp Unit Dimensions (Meters)
 Length: 80.19m
 Width: 10.85m
 Height: 12.7m

Displacement (Metric Tons)
 Light: 37,281mt
 Standard: 39,948mt
 Full Load: 44,595mt

Impulse Drifts: Dual Unit (SR10E2-SA)
Impulse Engine Output: 6.0×10^{13} W
Impulse Power Index: 4.84
Max Cruising: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.26 sec
 0.25-0.50 Impulse: 0.243 sec
 0.50-0.75 Impulse: 0.234 sec
 0.75-Full Impulse: 0.404 sec
Warp Units: 2 Nozzle Unit (SU38) 2RM
Warp Engine Output: 92×10^{14} W
Warp Power Index: 0.79

Optimum Speed: Warp 4
Max Safe Cruising: Warp 5
Emergency Speed: Warp 1
Max Speed: Warp 15
Decelerative Speed: Warp 0
Acceleration Power: 30
Acceleration Time:
 Warp 1: Warp 2: 1.25 sec
 Warp 2: Warp 3: 4.4 sec
 Warp 3: Warp 4: 1.2 sec
 Warp 4: Warp 5: 2.0 sec
 Warp 5: Warp 6: 1.0 sec
 Warp 6: Warp 7: 1.5 sec
 Warp 7: Warp 8: 3.26 sec
 Warp 8: Warp 9: 4.64 sec
 Warp 9: Warp 10: 11.14 sec
 Warp 10: Warp 11: 7.75 sec
 Warp 11: Warp 12: 24.69 sec

Personnel (Total)
 Standard: 1 crew
 Maximum: 2 crew
Std. Ship Complement: 79
 Officers: 4
 Crew (Single Grade): 60
 Troops:
 Passengers: 4
 Emergency condition: 97

Medical Facilities:
 Doctors: 2
 Nurses:
 Operating Room: 2
 Beds:

Laboratories:
Transportation Tonnage: 2
 1 Person:
 2 Person: 0
 3 Person:
 12 Person: 0
 25 Person:
 Small Cargo: 0
 Medium Cargo: 0
 Large Cargo: 0
 Super Cargo: 0

Bridge:
Applications:
Storage:
 Two Capacity: 1 Mx 10m
 Max Range: 100.0m

Cargo Specifications:
 Standard Cargo Cells: 54
 Large Capacity: 11

Structural Specifications:
 Docking Ports:
 Shuttlecraft Bays Total: 1

Small Bay
 Medium Bay: 0
 Large Bay
 Super Bay

Shuttlecraft (Standard): 1
 Work Deck
 Travel Pods: 1

Aquatic Shuttle: 0
 Light Shuttle
 Standard Shuttle: 2
 Heavy Shuttle: 1
 Cargo Shuttle
 Assault Shuttle: 2
 Killer Bee
 Fighter
 Heavy Fighter: 0

Lifelines:
 Turbidity (8 persons): 0
 Lifeline (10 persons): 1
 Lifeline (20 persons): 0
 Lifeline (30 persons): 0

Clockwork Devices:
Power Index Values:
 Planetary Battery: 7093
 Stellar Battery: 5254
 Short Range: 8395
 Long Range: 055
 Navigation: 1334
 Special: 5955

Sensors:
 Type: Quantum Outboard II y
 Type: Quantum Outboard II z

ECM Index: 02
Shield Rating:
 Shield Index: 343
 Shield Power: 24×10^{12} W
 Refresh Rate: 6×10^{10} W
 Breakdown Rate: 6×10^{10} W
 Shield Dimensions (Meters)
 Length: 71.1m
 Width: 90.4m
 Height: 40.4m

Weapons:
 Phaser Power Index: 0.549
 Photon Power Index: 5.82
 Torpedo Power Index: 0.9
 Weapon Movement

Banks (Phasers) Total: 10 Banks 2 each
 Output: 5.0x10¹¹ W 2.6x10¹⁰ W
 Range: 2.5x10⁶ km
 Rate of Fire: 30 ppm Cont

Forward Banks:
 Near Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0

Bomb (Torpedo/Phaser) Total: 0
 Output: 1x10¹¹ W
 Range: 1x10⁶ km
 Rate of Fire: N/A

Forward Near Banks: 0
 Port Starboard Banks: 0
 Upper/Lower Banks: 0

Torpedoes (Phaser) Total: 2 Bay 2 each
 Bank: 90
 Range: 2.0x10⁶ km
 Output: 3-50 Megatons
 Rate of Fire: 10 ppm

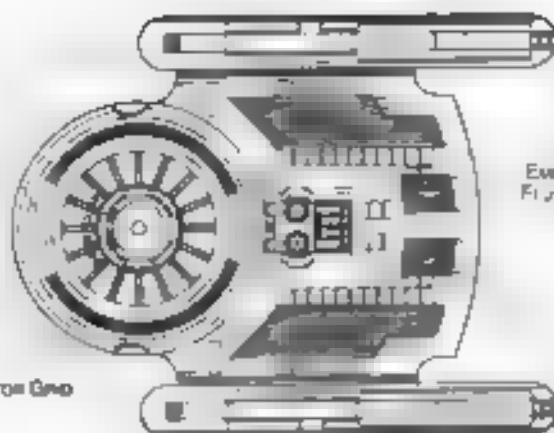
Forward Bay:
 Near Bay
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

FEDERATION VESSEL

LIGHT CORVETTE



PHASER BANK



EMERGENCY
FLIGHT MODES

DEFLECTOR GRID

REACTION CONTROL
THRUSTERS

TOP PROFILE

MAIN DECK



FORWARD PHOTON
TORPEDO TUBES (2)

IMPULSE ENGINES



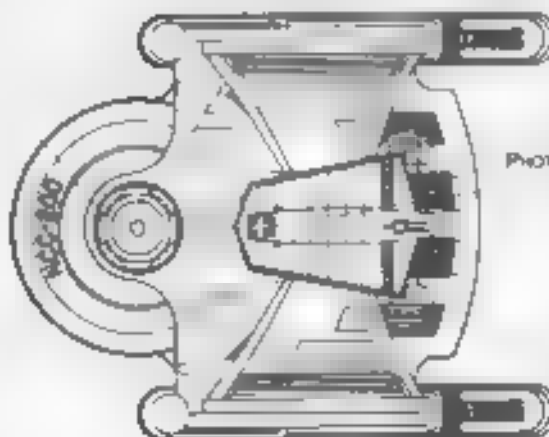
REAR PHOTON
TORPEDO TUBES (2)

FRONT PROFILE

REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION CONE



PHOTON TORPEDO POD

BOTTOM PROFILE





LIGHT: CORVETTE

Ship Names

THE FOLLOWING SHIPS OF THE MK-IV CLASS WERE AUTHORIZED BY THE
AMENDED ARTICLE OF FEDERATION OF STARGATE 2000.0

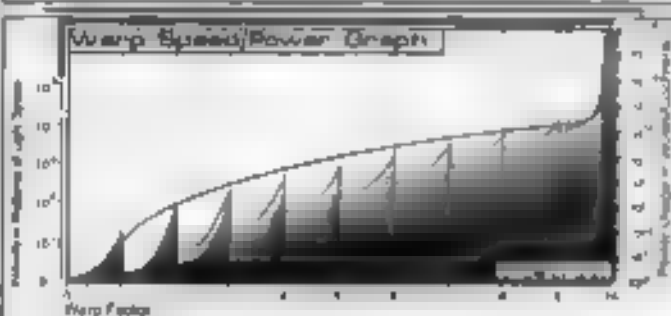
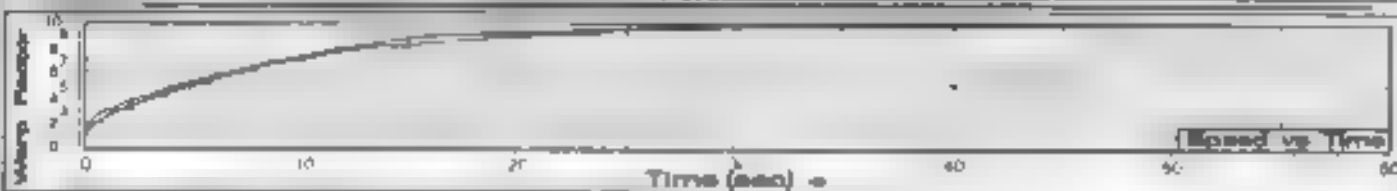
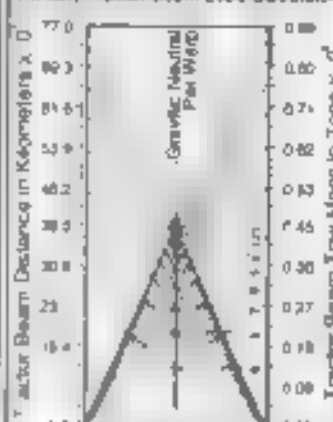
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Tractor Beam Specifications

Primary Beam Load Capacity



Postal Language: 3rd ed. 1997.
 Postal Watch: 1998. 1997.
 Postal Watch: 1998. 1997.



Front Wave Field Profiles

From *Journal of the American Medical Association*, 2001;286:1111-1116.



Port Warp Field Profile

© 2004 Blackwell Publishing Ltd *Journal of Internal Medicine* 255: 221–228



Top Warp Field Profile

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WARP FIELDS

SAM2 04:02:06:04

STARFLEET REFERENCE MANUAL

YESTER CLASS

FEDERATION VESSEL

PENETRATION CRUISER



General Information

Specific Role: The Penetration Cruiser is a swift, deep penetration, point assault ship. In addition to extensive ECM, ECCM equipment and high powered shields, the small frontal target area and heavy forward fire power make it well suited for deep surgical strikes in heavily defended positions. The cruiser is also equipped with advanced warp nacelles to give it superior acceleration and maneuverability. Although many crew quarters were limited in order to maintain the cruiser's stringent design criteria, top notch volunteers are rarely in short supply.

Physical Description: The (PH217/A M15) reinforced double thick hull is equipped with additional targeting sensors and a small hangar deck located amid-ship. Integrated into the standard deflector grid are extensive electronic counter measures to make the vessel more stealthy. The hull is equipped with an (BS10/A-T7) assault bridge which incorporates an enhanced weapons and tracking station. On the lower part of the hull is the (SM48/5G) main sensor array and (DN4-4 G) navigational dome. Mounted to port starboard and bow directly below the bridge are three (LP2-30-2C) phaser banks. Additional (LP2/30-2C) phaser banks are located front and rear on the underside of the hull. Above and to the rear of the bridge connected by a (P-15-5D) support pylon are sparsely (MP2-15-2S) Megaphasers. To the front is the (PH2/25-20N) photon torpedo bay. At the rear of the hull are the (TTRK-4-2A) dual impulse thrusters which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SY7-1-5B) advanced warp nacelles attached to the hull by (DL-10-6C) support pylons. The vessel is also equipped with additional inertial dampeners to compensate for its increased maneuvering capabilities. On the front of the hull are two (DN1/A-4) navigational deflectors to assist the navigational shields in deflecting incoming debris. Running longitudinally to the rear of the hull are the (M36/6-3) permix chamber and (AMK-48-5D) matter/antimatter storage tanks which allow for emergency jet-sailing. In the event of an emergency, the nacelles can be jettisoned and the hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area: 80188.40 m²



Top Silhouette
Area: 14018.48 m²



Port Silhouette
Area: 48950.00 m²

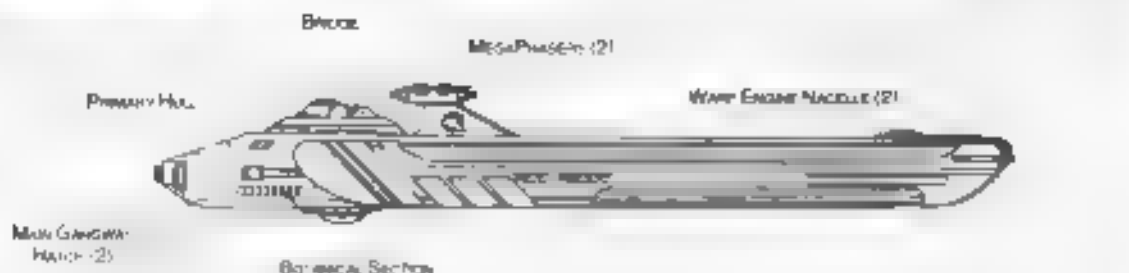


Front Silhouette
Area: 1987.92 m²

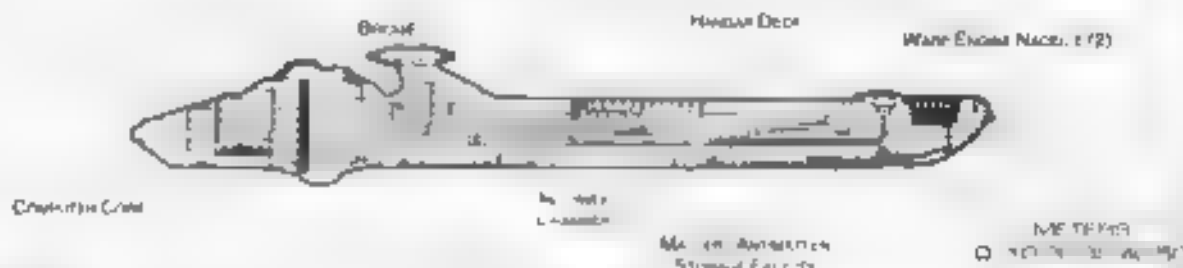


PENETRATION CRUISER

HOLLINGSWORTH CLASS



PORT PROFILE



Statistics

Classification: Penetration Cruiser

Category: Armed Ship

Class: Hollingsworth

Type: Warship

Model: MK VI

Naval Construction Contract: 49000

Number Proposed: 2

Number Constructed: 3

Number in Service: 3

Number Lost: 0

Dimensions:

Overall Dimensions (Meters)

Length: 4.1m

Width: 4.5m

Height: 34.1m

Primary Hull Dimensions (Meters)

Length: 20.0m

Width: 37.5m

Height: 3.5m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 5m

Width: 28.8m

Height: 7.5m

Displacement (Metric Tons)

Light: 76.0mt

Standard: 139.180mt

Full Load: 2,075.2mt

Performance:

Impulse Units: Dual Jnr RP1865/4 DM

Impulse Engine Output: 7.6x 10¹³ W

Impulse Power Index: 050

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.9 sec

0.25-0.50 Impulse: 0.287 sec

0.50-0.75 Impulse: 0.182 sec

0.75-Full Impulse: 0.478 sec

Warp Drive: 2 Nacelle Inds (SY771158M)

Warp Engine Output: 2.5x10¹³ W

Warp Power Index: 88

Optimum Speed: Warp 9

Max Safe Cruising: Warp 8.4

Emergency Speed: Warp 8.52

Max Speed: Warp 4.2

Destructive Speed: Warp 8.82

Acceleration Power: 0

Acceleration Time:

Warp 1 Warp 2: 0.08 sec

Warp 2 Warp 3: 0.17 sec

Warp 3 Warp 4: 0.24 sec

Warp 4 Warp 5: 0.24 sec

Warp 5 Warp 6: 0.26 sec

Warp 6 Warp 7: 0.27 sec

Warp 7 Warp 8: 0.27 sec

Warp 8 Warp 9: 0.28 sec

Warp 9 Warp 9.8: 4.354 sec

Warp 9.8 Warp 9.75: 5.344 sec

Warp 9.75 Warp 9.8: 10.400 sec

Duration (Years)

Standard: 5 Years

Maximum: 18 Years

Mid Ship Compartment: 241

OffScore: 44

Crew (Design Grade): 28

Troops: 25

Passengers: 22

Emergency condition: -420

Medical Facilities:

Doctors: 4

Nurses: 21

Operating Rooms: 3

Beds: 2

Laboratories: 8

Transports: Total: 7

1 Person: 0

2 Person: 0

6 Person: 3

12 Person: 0

22 Person: 3

Small Cargo:

Medium Cargo: 3

Large Cargo: 0

Super Cargo: 0

Bridge:

Replicators: 14

Isolate Beams: 1

Yield Capacity: 7.2 (Max)

Max Range: 7x10¹³ W

Cargo Specifications:

Standard Cargo Units: 154

Cargo Capacity: 1.0mt

Shuttlecraft Specifications:

Docking Ports:

Shuttlecraft Bays: Total

Small Bay

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 21

Work Bays:

Troop Pods:

Aquatic Shuttle: 0

Light Shuttle:

Standard Shuttle: 5

Heavy Shuttle:

Cargo Shuttle:

Assault Shuttle: 1

EFVr Bays: 3

Fighter: 4

Heavy Fighter: 3

Lifeboats: 37

Turbolift (5 persons): 22

Lifeboat (10 persons):

Lifeboat (20 persons): 5

Lifeboat (30 persons): 0

Cooking Devices:

General Index: 1000

Planetary Survey: 5873

Starship Survey: 4775

Short Range: 5205

Long Range: 2354

Navigation: 8000

Special: 9387

Comms: 2

Type: 145000 Duoband II

Type: 145000 Duoband II

BCM Index: 47.50

Shield Rating:

Shield Index: 50

Shield Power: 4.82x10¹² W

Shield Rate: 374.01 W

Breakdown Rate: 86x10¹² W

Shield Dimensions (Meters)

Length: 2.2m

Width: 4.5m

Height: 4.5m

Weapons:

Photon Power Index: 1.10

Photon Power Index: 8.73

Vessel Power Index: 3.84

Troop Placement:

Beam (Photon) Total: 6 banks 2 each

Output: 6.0x10¹⁰ W 2.8x10¹⁰ W

Range: 2.5x10¹³ km

Rate of Fire: 30 ppm Cont

Forward Banks: 1

Rear Banks: 0

Port Banks:

Starboard Banks:

Upper Banks: 0

Lower Banks: 2

Beam (MegaPhaser) Total: 2

Output: 2.6x10¹² W 3x10¹² W

Range: 0x10¹³ km

Rate of Fire: 5 ppm Cont

Forward/Rear Banks: 1

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: Bay 2 each

Beam: 00

Range: 2.0x10¹³ km

Output: 0-50 Megatons

Rate of Fire: 20 ppm

Forward Bay:

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

FEDERATION VESSEL

PENETRATION CRUISER

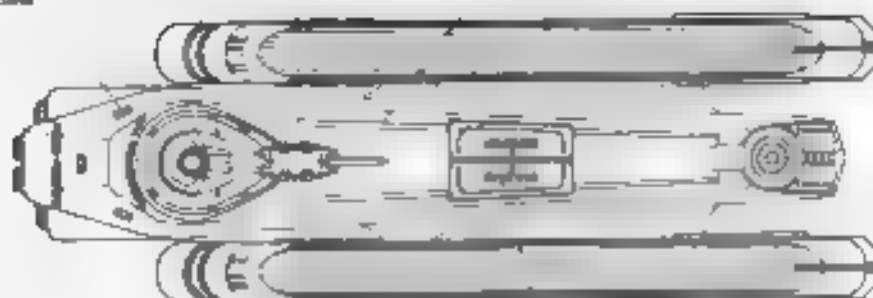


FROM: NGSWORTH CLASS

FEDERATION 133888

PHASER BANK

DEFLECTOR GRID



MAIN DECK

REACTION CONTROL
THRUSTERS



WARP ENGINES

PHOTON
TORPEDO TUBES (2)



REINFORCED DEFLECTOR (2)



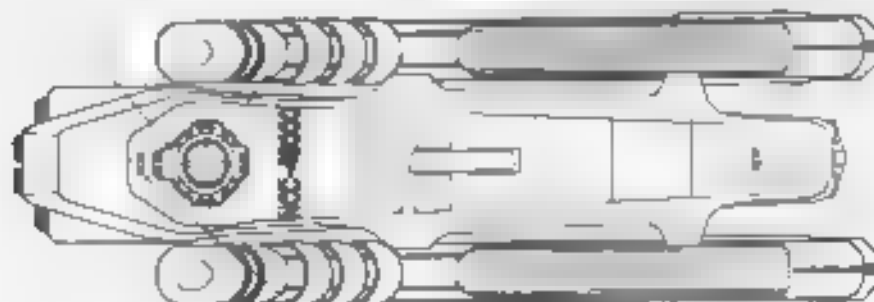
FRONT PROFILE

REAR PROFILE

MAIN SCHEMATIC
APERTURE

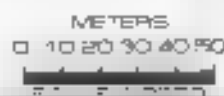
NAVIGATION DOME

REACTION CONTROL
THRUSTERS



PHASER BANKS

BOTTOM PROFILE





PENETRATION CRUISER

Ship Names

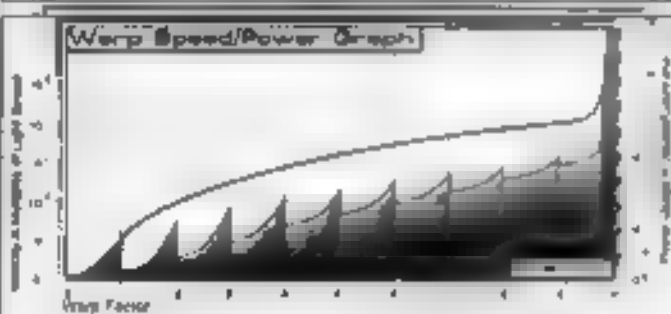
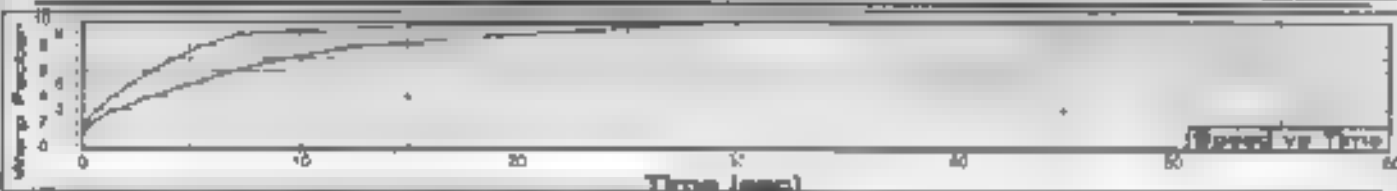
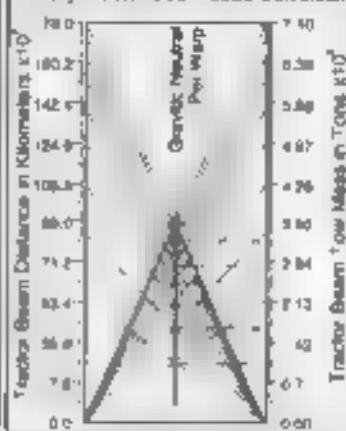
THE FOLLOWING SHIPS OF THE MK VI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2274.1

BEATTIE #NCC-4801
 CAMPBELL #NCC-4802
 COOK #NCC-4803
 GILLIS #NCC-4804
 HOLLINGSWORTH #NCC-4805
 HOLLER #NCC-4806
 JEROME #NCC-4807
 KENNARD #NCC-4808
 MCPHERSON #NCC-4809
 HADFIELD #NCC-4810
 SUTHERLAND #NCC-4811
 SUTTON #NCC-4812

CLASS SHIP, LOST IN THE LINE OF DUTY. RECORDED ALL NAMES ENDING WITH "A.B.C."

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



Field Length: 884.61 m
 Field Width: 170.73 m
 Field Height: 84.98 m



Front Warp Field Profile
 Gross Section Area 10843.78 m²



Port Warp Field Profile
 Gross Section Area 94757.44 m²



Top Warp Field Profile
 Gross Section Area 73317.22 m²

WARP FIELDS

SRM2 04:02:07:04

STARFLEET REFERENCE MANUAL

HOLLINGSWORTH

FEDERATION VESSEL

STRIKE CRUISER

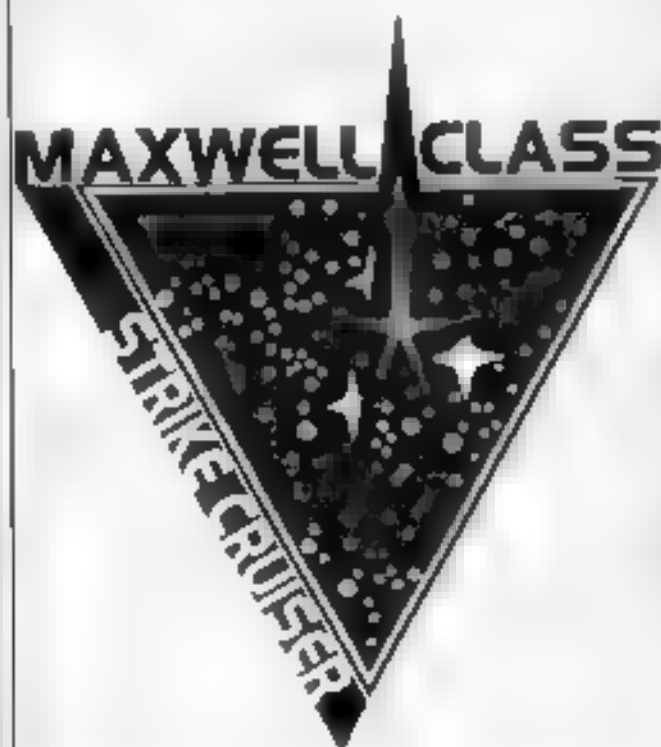


General Information

Specific Role: The Strike Cruiser is designed to deliver special forces and fighter craft to heavily defended targets. The vessel's speed and low profile allow it to infiltrate contested zones, deliver its assault detachment, and then move into a support position. The vessel contains extensive ECM equipment, sensors, and heavy shields to help it survive and support its assault teams.

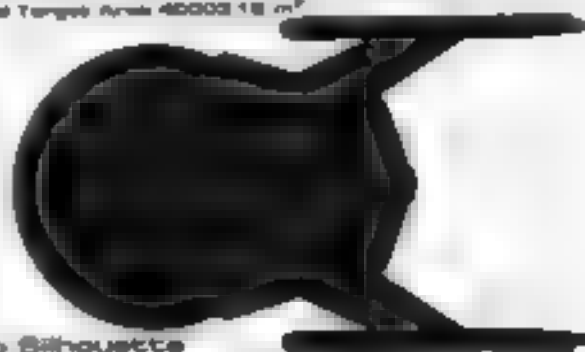
Physical Description: The (PIE212/A M4) hull is equipped with additional targeting sensors and hull reinforcements. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The hull is equipped with the (BS10/A 19) bridge which incorporates larger, more elaborate weapons, surveillance, and tracking stations. On the lower part of the hull is the (SM49/7J) main sensor array and DN4/2 G navigational dome located on the port, starboard, and bow of the hull (both top and bottom) are six (SP2/A 20) phaser banks. Above the hull and mounted by a dorsal (DJ/20-3A) support pylon are (MP2 15 25) Smeared MegaPhasers. Port and starboard on the upper primary hull, forward of the raised extension, are the (DN2/G 4 2) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Two medium hangar decks are installed, one on either side of the impulse engines, in the rear of the primary hull. To the rear of the hull are (1146F/5 KL) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp drive is generated by two (SW52/1 5F10) warp nacelles attached to each side of the primary hull by (DL 25 7J) support pylons. In the stern of the hull are the (M36/4 2G) intermix chamber and (AM8/48 3 J) matter/antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. Below the hull and supported by a (DL 38 12C) connecting dome, is a (PB3/50 30L) photon torpedo pod. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area: 40000.18 m²



Top Silhouette
Area: 31500.00 m²



Port Silhouette
Area: 8000.04 m²



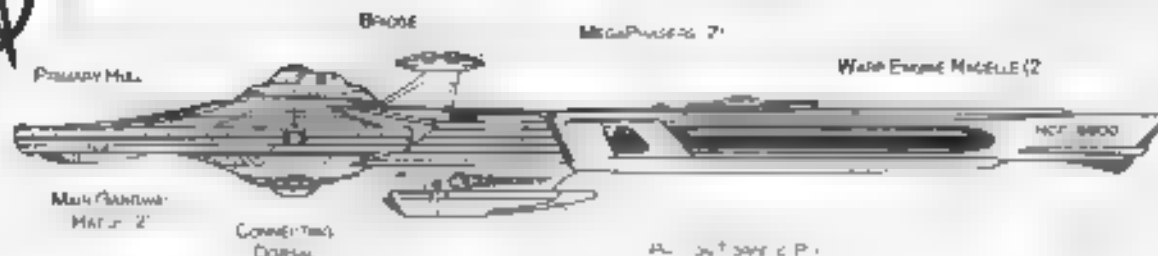
Front Silhouette
Area: 2049.14 m²



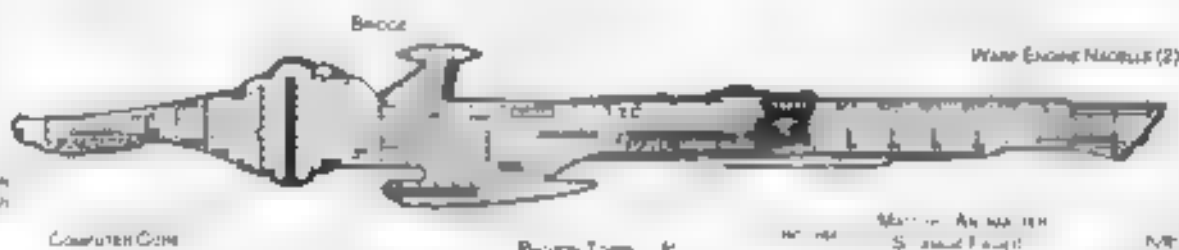
STRIKE CRUISER

MAXWELL CLASS

PROBATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

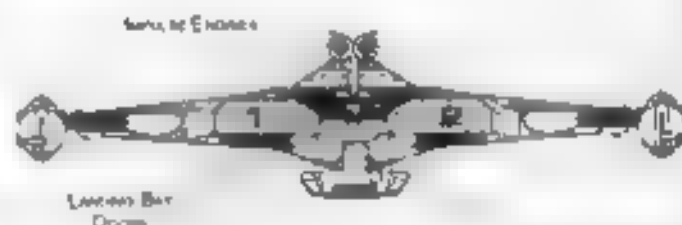
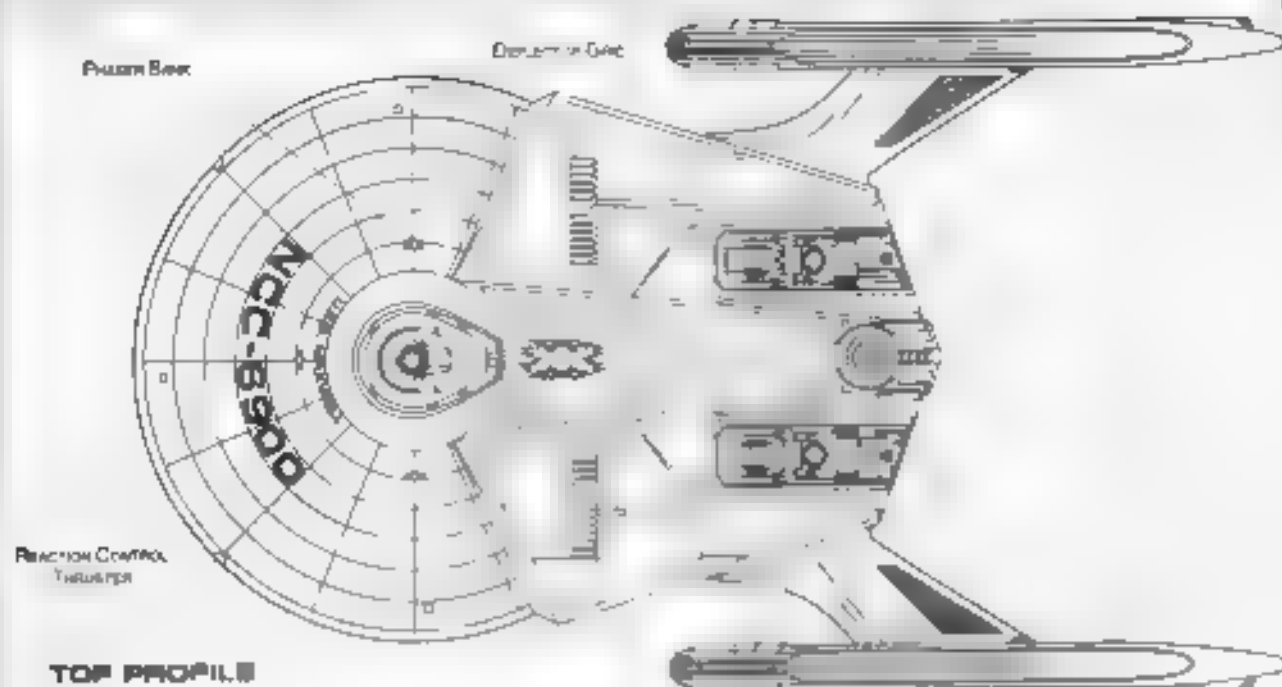
Classification: Probation Vessel
Category: Assault Ship
Class: Maxwell
Type: AHS
Model: MC VII
Naval Construction Contract: 8900
Number Proposed: 42
Number Constructed: 36
Number in Service: 36
Number Lost: 0
Dimensions:
Overall Dimensions (Meters):
 Length: 291.3m
 Width: 4.2m
 Height: 40.80m
Primary Hull Dimensions (Meters):
 Length: 252.33m
 Width: 4.12m
 Height: 32.94m
Secondary Hull Dimensions (Meters):
 Length: N/A
 Width: N/A
 Height: N/A
Warp (Hull) Dimensions (Meters):
 Length: 54.8 m
 Width: 2.63m
 Height: 18.32m
Displacement (Metric Tons):
 Light: 177.92 mt
 Standard: 190.033mt
 Full Load: 2 x 197mt
Performance:
Impulse Unit: Dual Unit (WFF35E/5-KL)
Impulse Engine Output: 7.8×10^{13} W
Impulse Power Index: 040
Max Cranking: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.92 sec
 0.25-0.50 Impulse: 0.280 sec
 0.50-0.75 Impulse: 0.185 sec
 0.75-Full Impulse: 0.48 sec
Warp Units: 2 Nacelle Units (WFF52/1-BFR)
Warp Engine Output: 1.2×10^{15} W
Warp Power Index: 040

Optimum Speed: Warp 4
Max Safe Cruising: Warp 7
Emergency Speed: Warp 8.8
Max Speed: Warp 9.7
Destructive Speed: Warp 9.35
Acceleration Power: 1.0
Acceleration Times:
 Warp 1 Warp 2: 02 sec
 Warp 2 Warp 3: 0.33 sec
 Warp 3 Warp 4: 0.14 sec
 Warp 4 Warp 5: 0.14 sec
 Warp 5 Warp 6: 0.09 sec
 Warp 6 Warp 7: 0.14 sec
 Warp 7 Warp 8: 0.05 sec
 Warp 8 Warp 9: 0.05 sec
 Warp 9 Warp 9.5: 0.04 sec
 Warp 9.5 Warp 9.75: 0.30 sec
 Warp 9.75 Warp 9.85: 0.95 sec
Duration (Years):
 Standard: 4 Years
 Maximum: 20 Years
Min. Ship Complement: 578
Officers: 46
Crew (Ensign Grade): 420
Troops: 13
Passengers: 38
Emergency Contingent: 481
Medical Facilities:
 Doctors: 8
 Nurses: 12
Operating Rooms: 5
 Beds: 12
Laboratories: 6
Transporters Total: 12
 4 Person
 2 Person: 0
 8 Person: 5
 12 Person: 0
 22 Person: 5
 Small Cargo: 1
 Medium Cargo: 0
 Large Cargo: 0
 Super Cargo: 0

Bridge:
Bridgecrew: 14
Tactical Section: 1
 Two specialty 1-man (off)
Max Range: 10.10 km
Large Detachment:
 Standard Cargo Units: 219
 Cargo Capacity: 11 Mt
Shielding Specifications:
 De-Tonag Ports: 1
 Shielded Hull Bays Total: 2
 Shield Bay
 Medium Bay: 2
 Large Bay
 Repair Bay: 0
Shielding Standard: 17
 Weak Bay: 1
 Travel Pad: 1
 Aquatic Shuttle: 0
 Light Shuttle
 Standard Shuttle: 8
 Heavy Shuttle: 0
 Cargo Shuttle: 1
 Aquatic Shuttle: 5
 Killer: None
 Fighters
 Heavy Fighter: 8
 Lightships: 0
 Turbothrust (8 person): 2
 Lightship (10 person): 19
 Lightship (30 person): 8
 Lightship (30 person): 1
Cooking Devices:
 Basic: 1000 Yalms
 Planetary Survey: 8794
 Medical Survey: 322
 Short Range: 832
 Long Range: 9852
 Navigation: 2252
 Special: 9406
Collection: 1
 Type: 1 (off) (Duplicating III)
 Type: 1 (off) (Duplicating III)

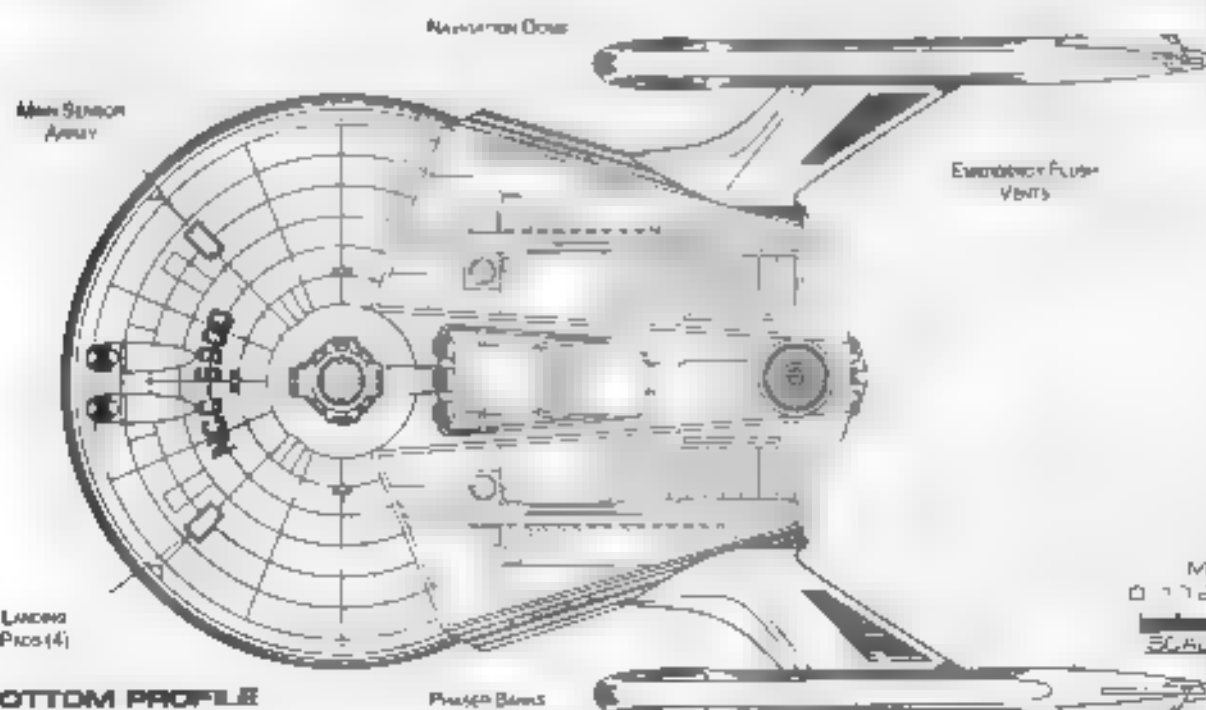
PCM Index: 38
Shield Rating:
 Shield Index: 1.21
 Shield Power: 3.7×10^{12} W
 Refresh Rate: 1.0×10^{12} W
 Breakdown Rate: 1.2×10^{12} W
Shield Dimensions (Meters):
 Length: 10.10m
 Width: 1.40m
 Height: 0.60m
Weapons:
Photon Power Index: 1.22
Photon Power Index: 1.8
Vessel Power Index: 3.45
Weapon Placement:
Beam (Photon) Total: 8 banks 2 each
 Output: 5.0×10^{12} W 2.5×10^{12} W
 Range: 2.5 x 10^5 km
 Rate of Fire: 30 ppm (Cont)
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
Bomb (Megaphoton) Total: 2
 Output: 2.5×10^{12} W 3.1×10^{12} W
 Range: 10 x 10^5 km
 Rate of Fire: 5 ppm (Cont)
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 4
Torpedoes (Photon) Total: 1 Bay 8 each
 Work: 90
 Range: 2.0 x 10^5 km
 Output: 10-50 Megatons
 Rate of Fire: 10 ppm
 Forward Bay: 1
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

STRIKE CRUISER



PHOTON TORPEDO
TUBES (3)

REACTION CONTROL
THRUSTERS



ME EPS
0 1 20 30 40 50

SCALE 1:2000



STRIKE CRUISER

MAXWELL CLASS

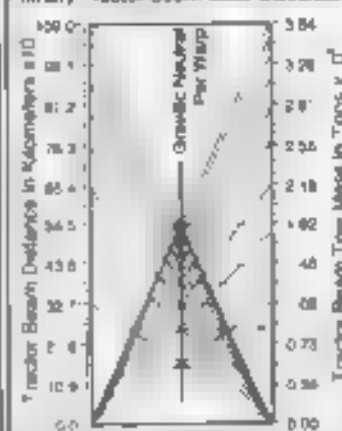
Ship Names

THE FOLLOWING SHIPS OF THE MK VII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2273.1

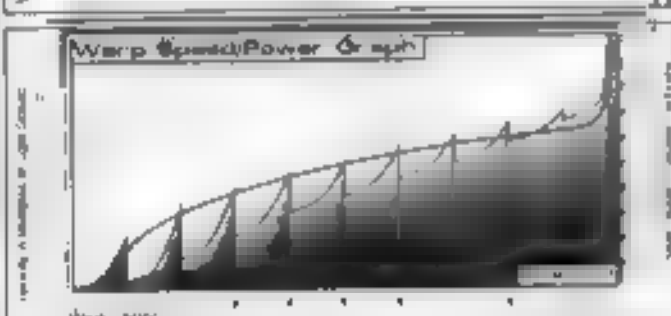
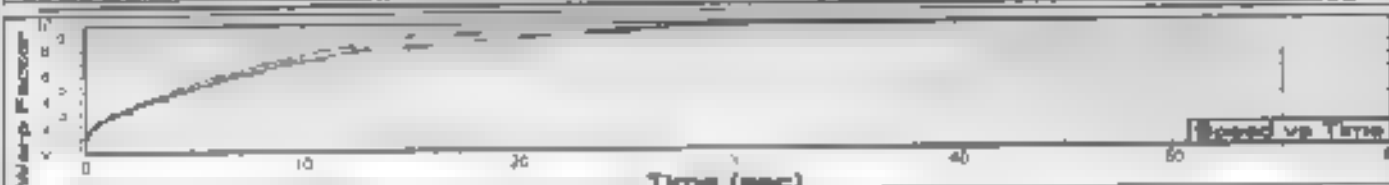
BRHAM MKC 001
 BR TACA MKC 0012
 BR ENSID MKC 0028
 BR TAC MKC 0041
 BR TAC MKC 0042
 BR TAC MKC 0043
 BR TAC MKC 0044
 BR TAC MKC 0045
 BR TAC MKC 0046
 BR TAC MKC 0047
 BR TAC MKC 0048
 BR TAC MKC 0049
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 BR TAC MKC 0053
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 BR TAC MKC 0075
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 BR TAC MKC 0077
 BR TAC MKC 0078
 BR TAC MKC 0079
 BR TAC MKC 0080
 BR TAC MKC 0081
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 BR TAC MKC 0095
 BR TAC MKC 0096
 BR TAC MKC 0097
 BR TAC MKC 0098
 BR TAC MKC 0099
 BR TAC MKC 0100

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



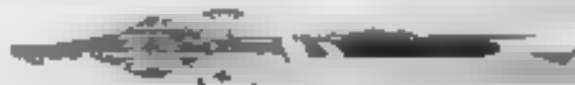
CLASS SHIP, LOST IN THE LINE OF DUTY. "PROPOSED ALL NAMES PREFIXED WITH 'U.S.S.'"



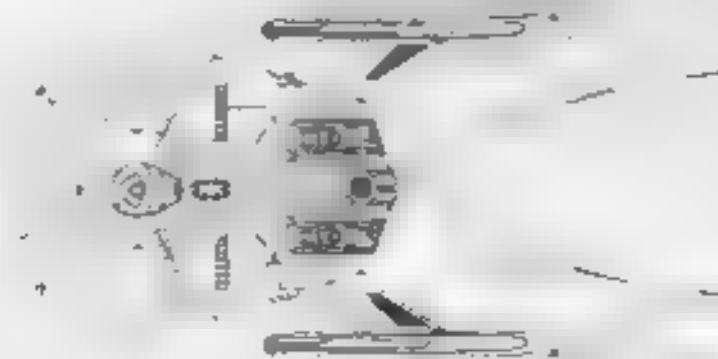
Pulse Length: 0.002 70m
 Pulse Width: 0.002 0m
 Pulse Repetition: 0.002 0m



Front Warp Field Profile
Cross Section Area 14830.00 m²



Port Warp Field Profile
Cross Section Area 48719.00 m²



Top Warp Field Profile
Cross Section Area 108796.00 m²

WARP FIELDS

SRM2 04:02:08:04

STARFLEET REFERENCE MANUAL

FEDERATION WEAPON

TROOP TRANSPORT



General Information

Specific Role: The Troop Transport is designed to deliver large numbers of troops and their equipment to areas of conflict in both assault and peace-keeping roles. The transport is equipped with extensive ECM equipment and heavy shields to help support its troops. For quick troop delivery the ship is able to transport its full complement (1000 troops) and support craft in less than a minute and then move into a supporting position. The troops are housed in large bunk facilities (20 to a room) to reduce the overall size of the ship required to deliver them.

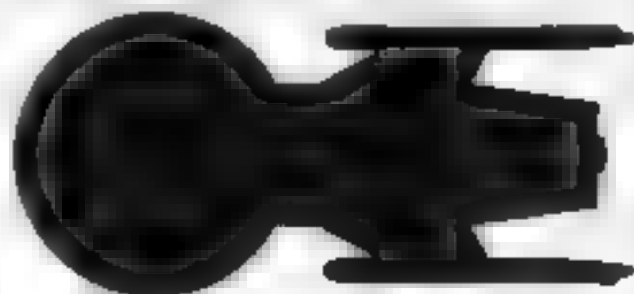
Physical Description: The (PHE313/A-M7) hull is an extension of the standard primary hull and contains additional transporter equipment and troop accommodations. The hull is equipped with the (BS07/A T2) bridge which incorporates a larger survey and weapons stations. On the lower part of the primary hull is the (SM49/4E) main sensor array and (LA4 5-D) navigational dome. Located in the port, starboard and bow of the primary hull (both top and bottom) are five (LP2 40 2C) phaser banks. To the rear both above and below the hull extension are four additional (LP2 40 2C) phaser banks. Just in front of the bridge is the (PB2/25-10F) photon torpedo bay. Two medium hangar decks are installed, one on either side of the impulse engines in the rear of the primary hull. In the rear of the primary hull are (PI86-E, 7 VE) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52, 1 MA) warp nacelles attached to the underside of the hull extension by (JC722 51R) support pylons. In the rear of the hull extension are the (M28/4 3T) intermix chamber and (AM8/36 5T) matter and antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 43344.84 m²



Top Silhouette
Area 28171.80 m²



Port Silhouette
Area 7709.44 m²

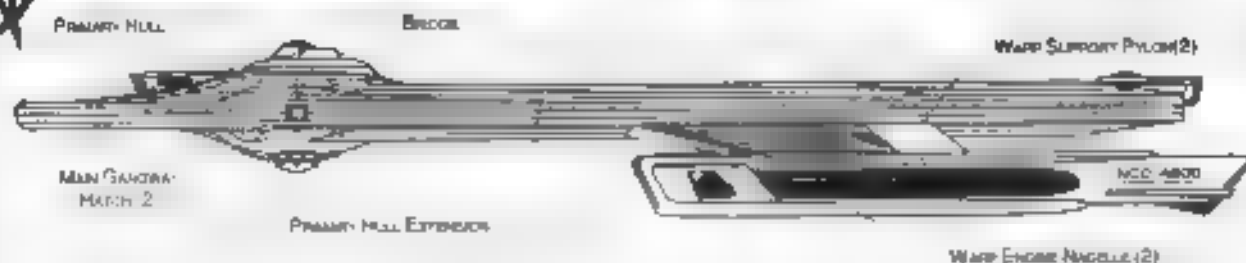


Front Silhouette
Area 6645.80 m²

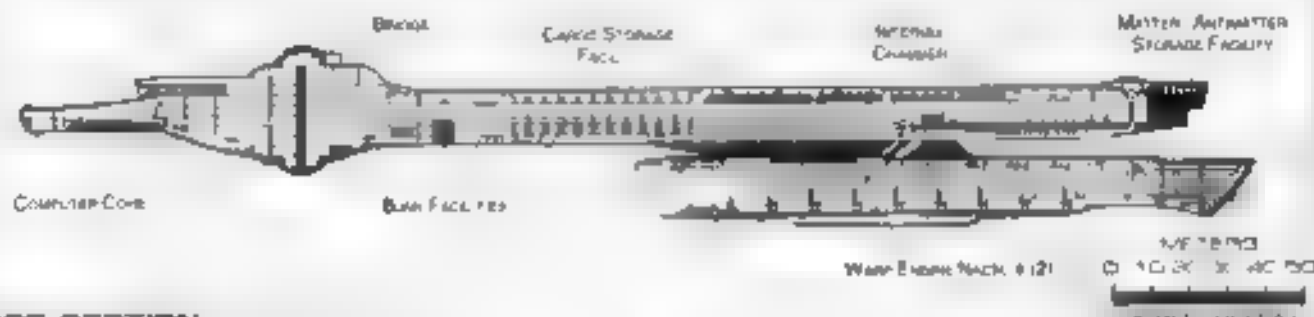


TROOP TRANSPORT

REGISTRATION VESSEL



PORT PROFILE



CROSS SECTION

Statistics

Classification

Category: Assault Ship
Class: nym
Type: 244
Model No: KXVI
Naval Construction Contract: 4200
Number Proposed: 18
Number Constructed: 66
Number In Service: 50
Number Lost: 2
Dispositions:

Overall Dimensions (Meters)

Length: 42m
Width: 4.2m
Height: 10.4m

Primary Hull Dimensions (Meters)

Length: 20.7m
Width: 4.2m
Height: 10.4m

Secondary Hull Dimensions (Meters)

Length: N/A
Width: N/A
Height: N/A

Warp Unit Dimensions (Meters)

Length: 54.8m
Width: 12.63m
Height: 8.02m

Displacement (Metric Tons)

Light: 229,385mt
Standard: 245,607mt
Full Load: 274,346mt

Performance

Impulse Units: Dual Unit (DP188E7-VII)
Impulse Engines Output: 7.8x10¹³ W
Impulse Power Index: 0.80
Max Cruising: 7
Acceleration Rate:
0.00-0.25 impulses: 0.249 sec
0.26-0.50 impulses: 0.377 sec
0.50-0.75 impulses: 0.498 sec
0.75-Full Impulse: 0.622 sec
Warp Units: 2 Nozzle Units (SW5211-SGVI)
Warp Engine Output: 2x 0.15 W
Warp Power Index: 1.800

Optimum Speed: Warp 4
Max Safe Cruising: Warp 6
Emergency Speed: Warp 7.5
Max Speed: Warp 8.6
Destructive Speed: Warp 9.06

Acceleration Profile

Acceleration Times:
Warp 1: Warp 2: 2.49 sec
Warp 2: Warp 3: 2.49 sec
Warp 3: Warp 4: 3.24 sec
Warp 4: Warp 5: 2.164 sec
Warp 5: Warp 6: 1.14 sec
Warp 6: Warp 7: 2.52 sec
Warp 7: Warp 8: 1.27 sec
Warp 8: Warp 9: 4.50 sec
Warp 9: Warp 9.5: 20.7 sec
Warp 9.5: Warp 9.75: 69 sec
Warp 9.75: Warp 9.9: 24.508 sec

Duration (Years)

Standard: 1 years
Maximum: 21 years
Std. Ship Complement: 1200
Officers: 14
Crew (Rating Grade): 140
Troops: 500
Passengers: 60
Emergency condition: +500

Medical Facilities

Doctors: 7
Nurses: 17
Operating Rooms: 5
Beds: 31

Substations: 7

Personnel

1 Person: 0
2 Person: 0
3 Person: 0
12 Person: 0
22 Person: 0
Small Cargo: 2
Medium Cargo: 1
Large Cargo: 3
Super Cargo: 0

Bridge

Replicators: 18

External Systems: 1

Two Capacitor: 2.5x10¹⁰ J
Max Range: 4.12x 10m

Cargo Specifications

Standard Cargo Units: 10
Cargo Capacity: 10m

Spacecraft Specifications

Docking Ports

Starliner Bay Total: 2

Small Bay: 0
Medium Bay: 2
Large Bay: 0
Super Bay: 0

Starliner Bay Standard: 70

Work Bay: 3
Travel Pods: 3

Aquatic Shuttle: 1

Light Shuttle: 2
Standard Shuttle: 1
Heavy Shuttle: 2
Cargo Shuttle: 2
Assault Shuttle: 37
Hull Bay: 6
Fighter: 9
Heavy Fighter: 6
Lifeboats: 6

Turbobath (8 persons): 23
Lifeline (10 persons): 4
Lifeline (20 persons): 7
Lifeline (30 persons): 7

Shooting Devices

Sensor Index Values

Planetary Survey: 1,900°
Matter Survey: 1,600°

Short Range: 2356
Long Range: 3210
Navigation: 2086
Special: 2286

Computers: 2

Type: Neutron Ductronic III
Type: Neutron Ductronic B

SCM Index: 1.78

Shield Rating

Shield Index: 0.80
Shield Power: 0.23x 0.12 W
Refresh Rate: 1.15x 0.1 W
Breakdown Rate: 0.12 W
Shield Dimensions (Meters)
Length: 36.09m
Width: 77.01m
Weight: 16.91m

Weapons

Phase Power Index: 0.447
Photon Power Index: 29
Vessel Power Index: 0.87
Weapon Modifiers:

Beam (Phasers) Total: 9 banks 2 each

Output: 5.0x10 W 2.5x10 W

Range: 2.5x 0.5km

Rate of Fire: 30 ppm Cont

Forward Banks: 1

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 4

Lower Banks: 2

Beam (MicroPhasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: 1 Bay 2 each

Beam: 40

Range: 2.0x 10¹⁰ km

Output: 10-50 Megatons

Rate of Fire: 0 ppm

Forward Bay: 1

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

REGISTRATION VESSEL

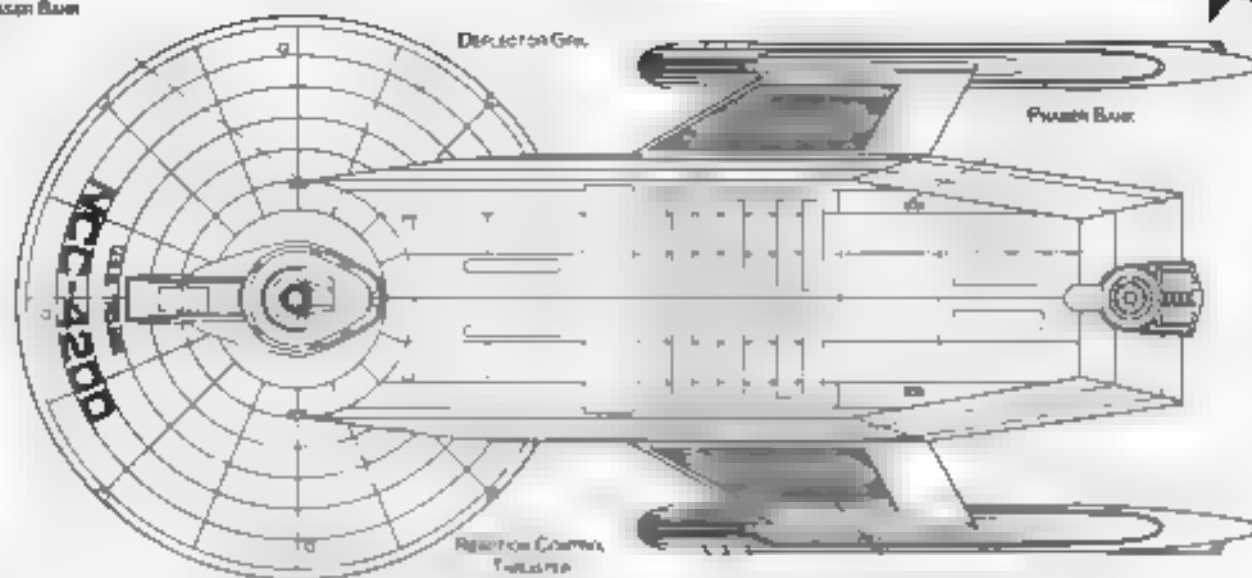
TROOP TRANSPORT



PHAZEN BARR

DEFLECTOR GRILL

PHAZEN BARR

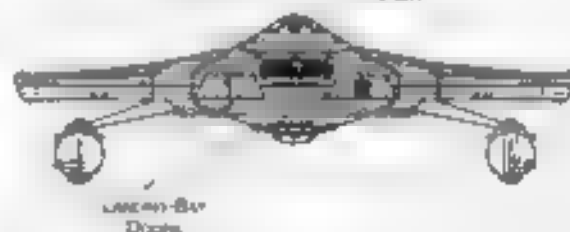


TOP PROFILE

PHOTON TORPEDO
TUBES (2)

FRONT PROFILE

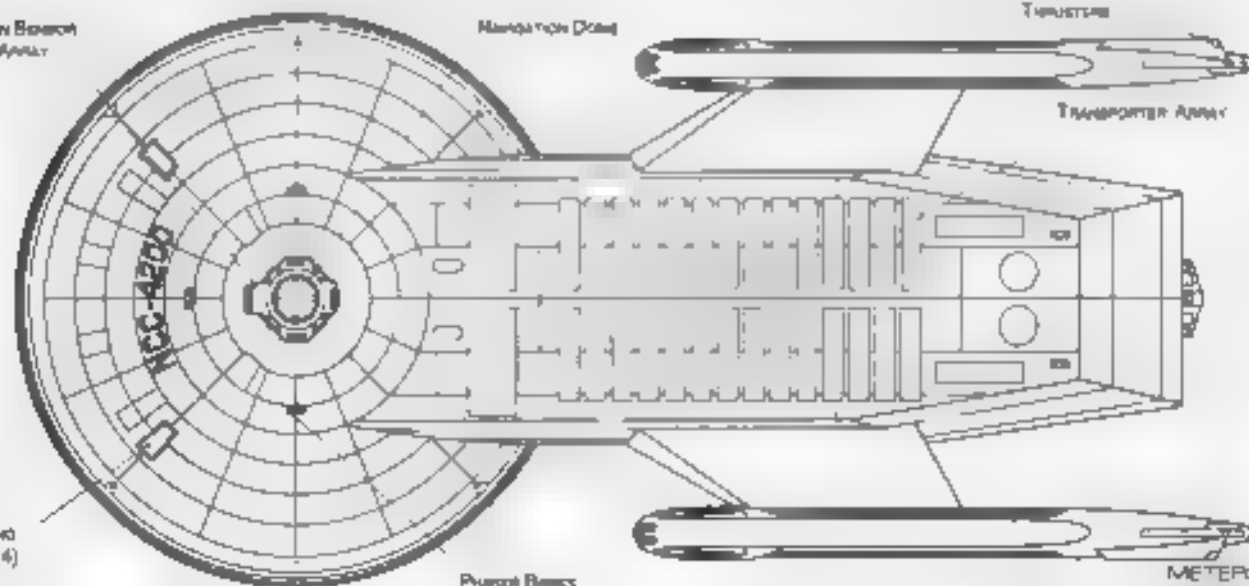
IMPACT COMPART

PRIMARY DOCKING
PORT

REAR PROFILE

MAIN BOW
APPLYMANOUEVERING
DOCKREACTION CONTROL
THRUSTERS

TRANSPORTER ARMY

LANDING
PAUL (4)

PHAZEN BARR

METERS
0 10 20 30 40 50

BOTTOM PROFILE



TROOP TRANSPORT

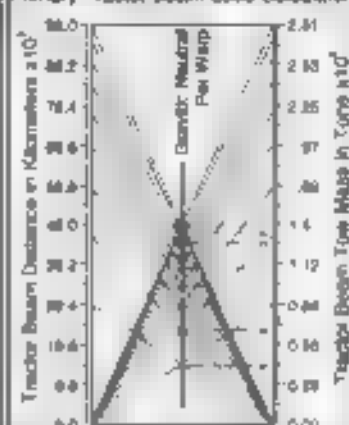
Ship Names

THE FOLLOWING SHIPS OF THE MK XXVI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARGLIDE 8870.4

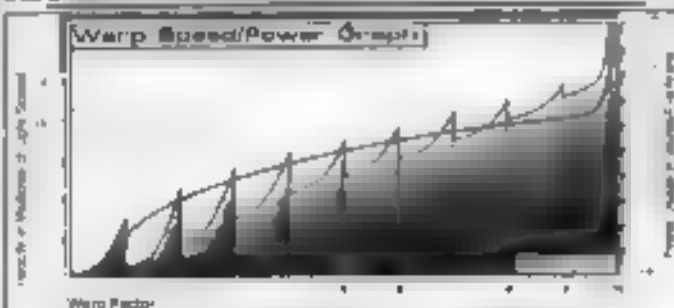
[illegible][illegible][illegible]

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



CLARE HILL, 2007 IN THE NAME OF DUTY. "PROPOSED ALL NAMES ENDED WITH S.A.S."



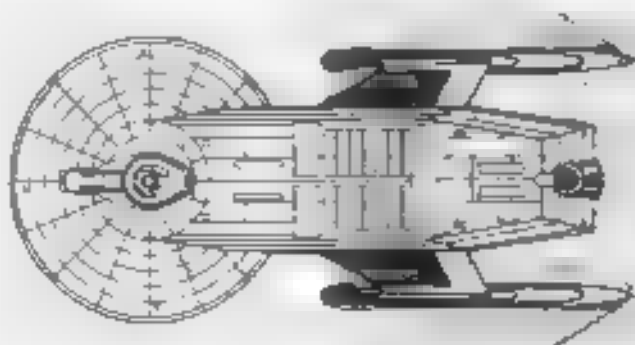
Phone: 1-800-441-2222
 Fax: 1-800-441-2222
 E-mail: info@1-800-441-2222



Front Warp Field Profile
Cross Section Area 18148.00 m²



Port Warp Field Profile
Cross Section Area 49994.08 m²



Top Warp Field Profile
Cross Section Area 10000000 m²

WARP FIELDS

SAM2 04:02:09:04

STARFLEET REFERENCE MANUAL

FEDERATION VESSEL

HEAVY SHUTTLE CARRIER

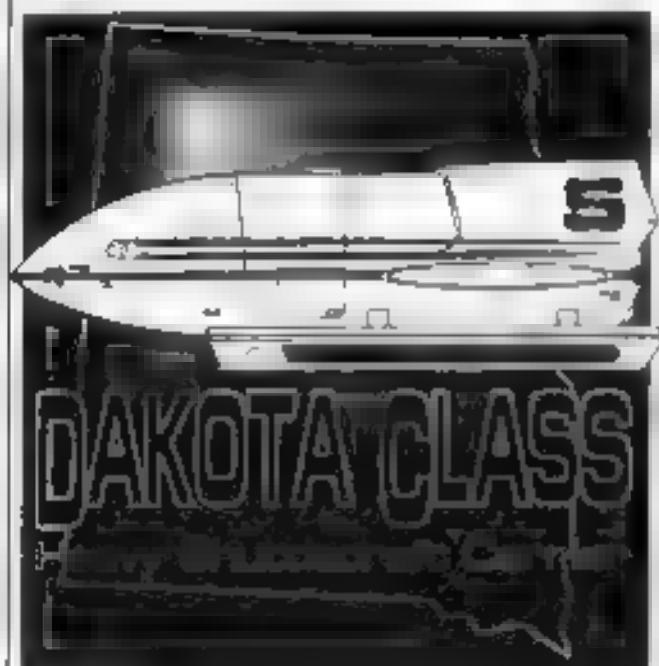


General Information

Specific Role: The Heavy Shuttlecraft Carrier is designed to be a support ship for a variety of shuttlecraft generally in non-hostile and rear support areas. The Heavy Shuttlecraft Carrier is based on the Engage with a stretched extended primary hull with multiple hangar decks located along the perimeter of the extended section.

Physical Description: The (PHF 147/5C T2) hull is an extension of the standard primary hull. The extended section houses the carrier's light craft support systems. The primary hull is equipped with a (LS9/5C T1) Bridge which incorporates an advanced tracking station. On the lower part of the primary hull is the (SM49/3Y) main sensor array and (DN4/3 L) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2/30/2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are the (DN2/G 4 Z) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Along the perimeter of the hull extension are twenty high small hangar decks. To the rear of the primary hull are two (LI 186E/9 J) dual impulse units which are used for auxiliary power and sub-warp propulsion. The carrier's warp fields are generated by three (SW52/1 5/O) warp nacelles, two are attached to the underside of the primary hull by (L 25 7F) support pylons, the third is attached to the top by a dorsal (DL 24 KS) support pylon. In the rear of the hull extension are the (M28/4 2F) intermix chamber and (AMK 48 4E) matter/antimatter storage tanks. The storage tanks are located on the bottom of the hull just forward of the lower impulse engines for emergency jettisoning. In the event of an emergency the hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area: 282+42.52 m²



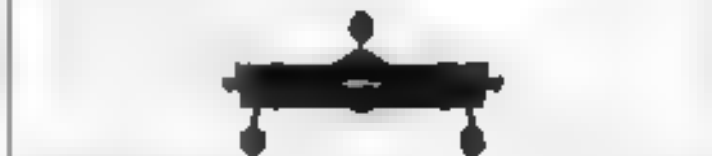
Top Silhouette

Area: 47824.84 m²



Port Silhouette

Area: 12834.40 m²



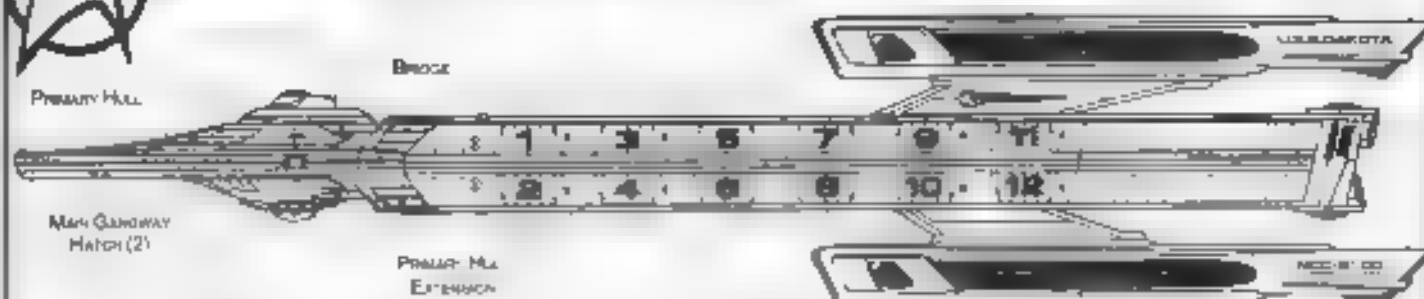
Front Silhouette

Area: 3544.02 m²



HEAVY SHUTTLE CARRIER

DAKOTA CLASS



Primary Hull

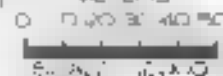
Bridge

Main Gateway Hatch (2)

Primary Hull Extension

Warp Engine Nacelle (3)

METERS



PORT PROFILE



Bridge

Warp Engine Nacelle (3)

Command Deck

Navigation Deck

Main Armory

Engine Room

CROSS SECTION

Statistics

Classification: Heavy Shuttle Carrier

Category: Ship

Class: DKK

Type: Ship

Model: KKK

Naval Construction Contract: 500

Number Produced: 16

Number Captured: 56

Number in Service: 54

Number Lost: 4

Dimensions:

Overall Dimensions (Meters)

Length: 35 m

Width: 4.12 m

Height: 12.85 m

Primary Hull Dimensions (Meters)

Length: 34.40 m

Width: 4.72 m

Height: 12.04 m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Duct Dimensions (Meters)

Length: 154.8 m

Width: 7.63 m

Height: 16.32 m

Displacement (Metric Tons)

Light: 4,800 t

Standard: 33.1 t

Full Load: 178,550 t

Performance:

Impulse Units: Dual Unit (P1866/9-D)

Impulse Engine Output: 7.8x10¹³ W

Impulse Power Index: 0.59

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.342 sec

0.26-0.60 Impulse: 0.514 sec

0.60-0.75 Impulse: 0.553 sec

0.75-Full Impulse: 0.854 sec

Warp Units: 3 Nacelle Units (SW52/1-SLO)

Warp Engine Output: 2x 3¹⁰ W

Warp Power Index: 880

Optimum Speed: Max: 4

Max Safe Cruising: Warp 6

Emergency Speed: Warp 8

Max Speed: Warp 11

Destructive Speed: Warp 9

Acceleration Power: 17

Acceleration Times:

Warp 1 Warp 2: 228 sec

Warp 2 Warp 3: 164 sec

Warp 3 Warp 4: 127 sec

Warp 4 Warp 5: 98 sec

Warp 5 Warp 6: 74 sec

Warp 6 Warp 7: 57 sec

Warp 7 Warp 8: 43 sec

Warp 8 Warp 9: 34 sec

Warp 9 Warp 10: 27 sec

Warp 10 Warp 11: 22 sec

Warp 11 Warp 12: 18 sec

Warp 12 Warp 13: 15 sec

Warp 13 Warp 14: 12 sec

Warp 14 Warp 15: 10 sec

Warp 15 Warp 16: 8 sec

Warp 16 Warp 17: 6 sec

Warp 17 Warp 18: 5 sec

Warp 18 Warp 19: 4 sec

Warp 19 Warp 20: 3 sec

Warp 20 Warp 21: 2 sec

Warp 21 Warp 22: 1 sec

Warp 22 Warp 23: 1 sec

Warp 23 Warp 24: 1 sec

Warp 24 Warp 25: 1 sec

Warp 25 Warp 26: 1 sec

Warp 26 Warp 27: 1 sec

Warp 27 Warp 28: 1 sec

Warp 28 Warp 29: 1 sec

Warp 29 Warp 30: 1 sec

Warp 30 Warp 31: 1 sec

Warp 31 Warp 32: 1 sec

Warp 32 Warp 33: 1 sec

Warp 33 Warp 34: 1 sec

Warp 34 Warp 35: 1 sec

Warp 35 Warp 36: 1 sec

Warp 36 Warp 37: 1 sec

Warp 37 Warp 38: 1 sec

Warp 38 Warp 39: 1 sec

Warp 39 Warp 40: 1 sec

Warp 40 Warp 41: 1 sec

Warp 41 Warp 42: 1 sec

Warp 42 Warp 43: 1 sec

Warp 43 Warp 44: 1 sec

Warp 44 Warp 45: 1 sec

Bridge: 15

Bridge Deck: 20

Bridge Deck: 1

Top Deck: 5.5x10¹⁰ m

Max Range: 10x10¹⁰ m

Cargo Specifications:

Standard Cargo Units: 400

Cargo Capacity: 400m

Standard Specifications:

Docking Ports:

Standard Docking Ports: 20

Small Bay: 20

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Standard Docking: 257

Work Deck: 7

Troop Pods: 20

Aquatic Shuttle: 0

Light Shuttle: 20

Standard Shuttle: 5

Heavy Shuttle: 20

Cargo Shuttle: 1

Assault Shuttle: 8

Killer Boat: 20

Fighter: 20

Heavy Fighter: 20

Lightship: 45

Torpedo (10 percent): 20

Lightship (10 percent): 5

Lightship (20 percent): 0

Lightship (30 percent): 0

Lightship (40 percent): 0

Lightship (50 percent): 0

Lightship (60 percent): 0

Lightship (70 percent): 0

Lightship (80 percent): 0

Lightship (90 percent): 0

Lightship (100 percent): 0

Lightship (110 percent): 0

Lightship (120 percent): 0

Lightship (130 percent): 0

Lightship (140 percent): 0

Lightship (150 percent): 0

Lightship (160 percent): 0

Lightship (170 percent): 0

Lightship (180 percent): 0

Lightship (190 percent): 0

Lightship (200 percent): 0

Lightship (210 percent): 0

Lightship (220 percent): 0

SCM Index: 0.50

Shield Rating:

Shield Index: 0.50

Shield Power: 2.4x10¹⁷ W

Refresh Rate: 0.20x10¹⁰ W

Breakdown Rate: 10x10¹⁷ W

Shield Dimensions (Meters):

Length: 140.37 m

Width: 1.7 m

Height: 92.03 m

Weapons:

Phaser Power Index: 0.390

Phaser Power Index: 0.0

Vessel Power Index: 0.20

Weapon Placement:

Beam (Phasers) Total: 8 banks 2 each

Output: 5.0x10¹⁷ W 2.5x10¹⁷ W

Range: 2.5x10¹⁰ m

Rate of Fire: 30 ppm Cont

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (Missiles) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Phasers) Total: N/A

Beam: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

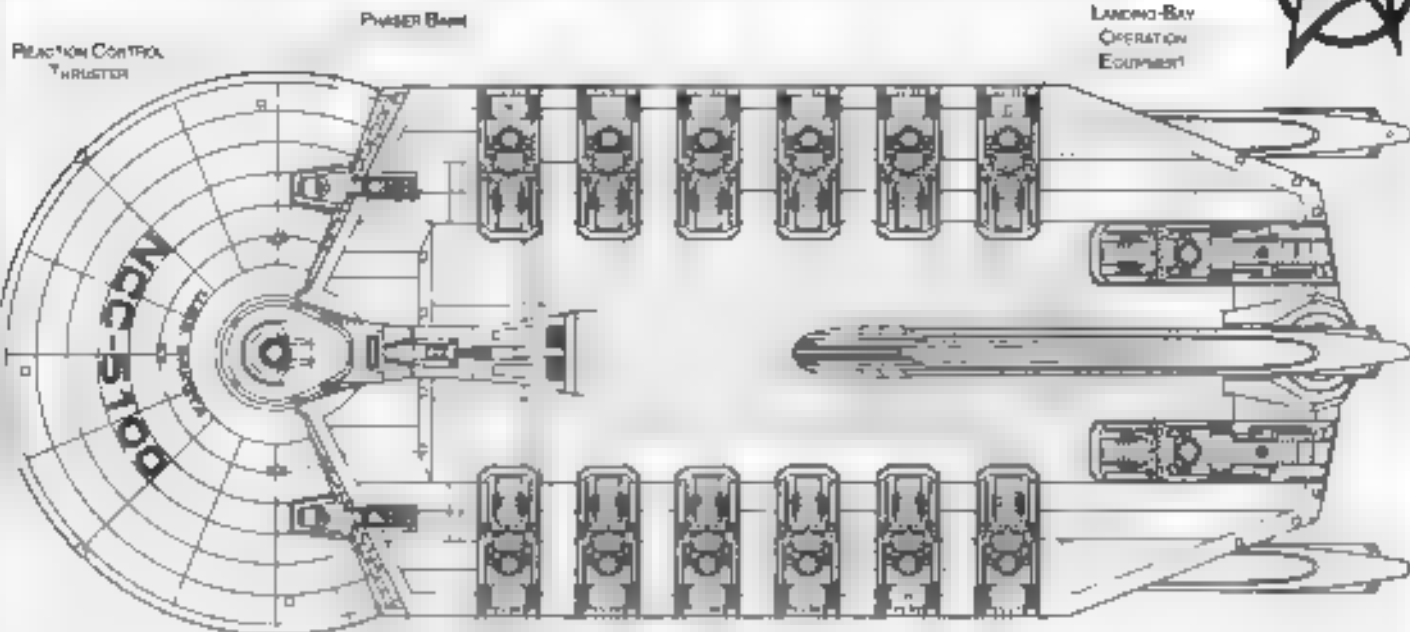
Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

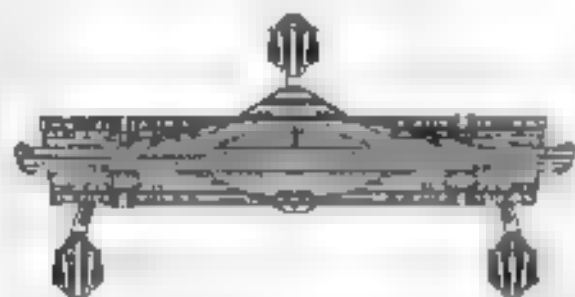
FEDERATION VESSEL

HEAVY SHUTTLE CARRIER

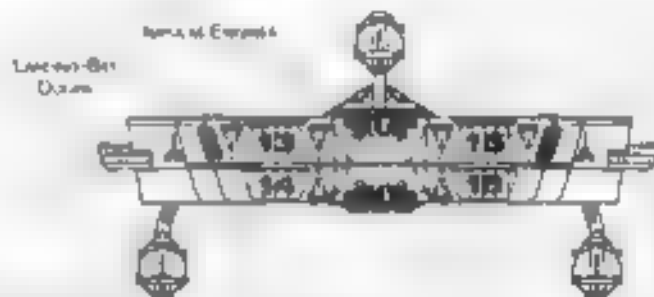


TOP PROFILE

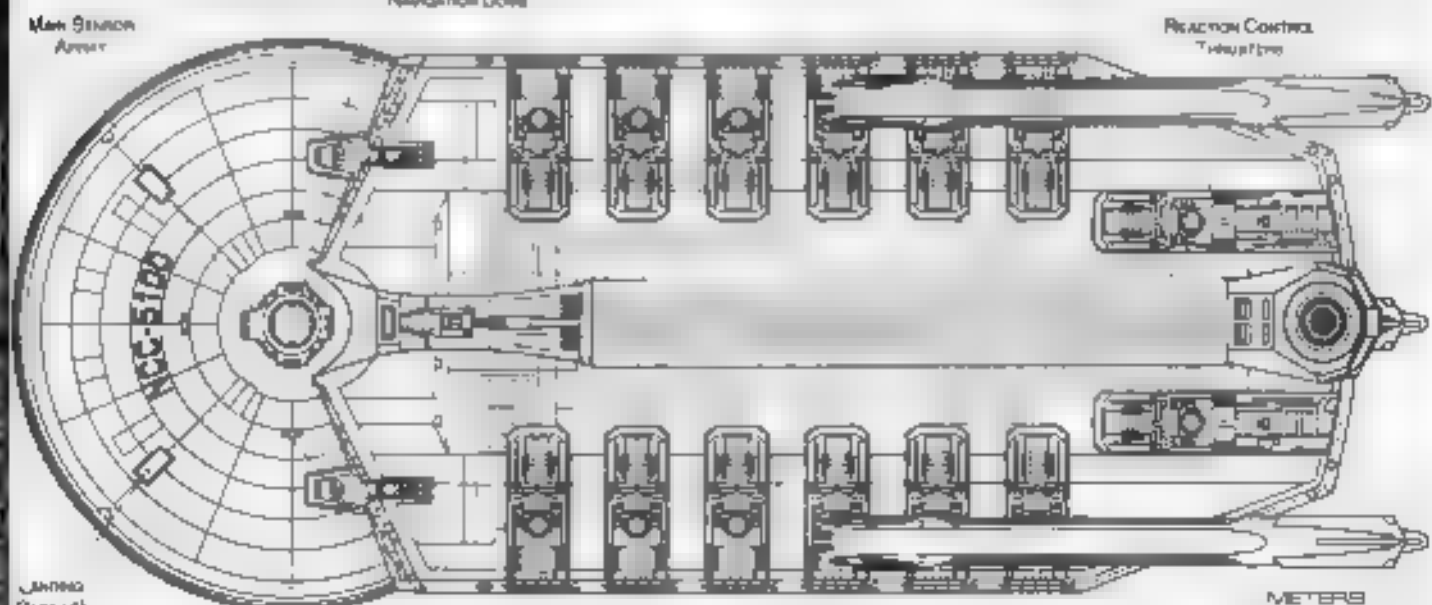
DEFLECTION GEAR



FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE

PULSER BAY

METERS
0 10 20 30 40 50

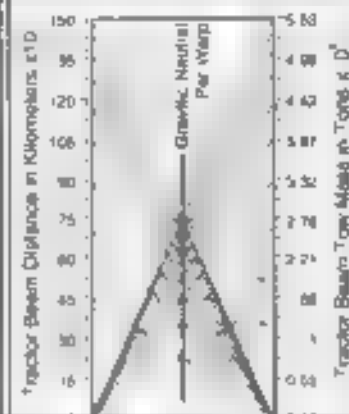


Tractor Beam Specifications

Primary Tractor Beam Load Calculations

48 1 1/2 1/2 1/2
 50 1 1/2 1/2 1/2
 52 1 1/2 1/2 1/2
 54 1 1/2 1/2 1/2
 56 1 1/2 1/2 1/2
 58 1 1/2 1/2 1/2
 60 1 1/2 1/2 1/2
 62 1 1/2 1/2 1/2
 64 1 1/2 1/2 1/2
 66 1 1/2 1/2 1/2
 68 1 1/2 1/2 1/2
 70 1 1/2 1/2 1/2
 72 1 1/2 1/2 1/2
 74 1 1/2 1/2 1/2
 76 1 1/2 1/2 1/2
 78 1 1/2 1/2 1/2
 80 1 1/2 1/2 1/2
 82 1 1/2 1/2 1/2
 84 1 1/2 1/2 1/2
 86 1 1/2 1/2 1/2
 88 1 1/2 1/2 1/2
 90 1 1/2 1/2 1/2
 92 1 1/2 1/2 1/2
 94 1 1/2 1/2 1/2
 96 1 1/2 1/2 1/2
 98 1 1/2 1/2 1/2
 100 1 1/2 1/2 1/2

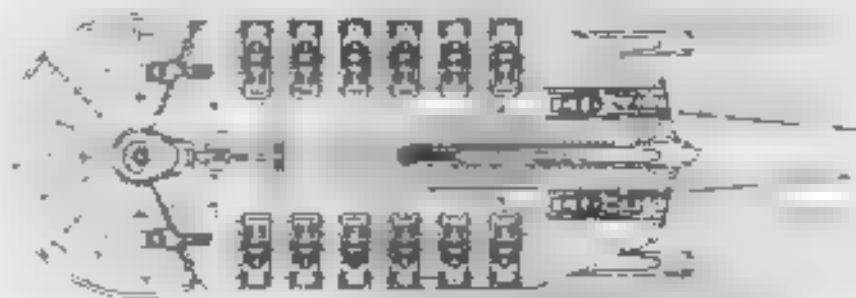
CLASS EMP. DIED IN THE LINE OF DUTY. TYPED ON ALL NAMES PRECEDED WITH "U.S.A."



Field Length: 700-1000 m
Field Width: 100-200 m
Field Volume: 1.1-2.1 m³



Front Warp Field Profile
Down Stream Area 18388.42 m²

Port Warp Field Profile
Cross Section Area: 4492.18 m²

Top Warp Field Profile
Cross Section Area 110050.18 m²

WARP FIELDS

SAM2 04:03:01:04

STARFLEET REFERENCE MANUAL

THROUGH DECK CARRIER



General Information

Specific Role: The Through Deck Carrier is a heavy frontline fighter shuttle delivery system. The enlarged secondary hull is dominated by multi-level hangar decks and ship/craft storage facilities. The through deck provides facilities for rapid recovery and turn-around of small craft during combat missions. The carrier is equipped with advanced warp nacelles since the standard nacelles are inadequate to propel the vessel.

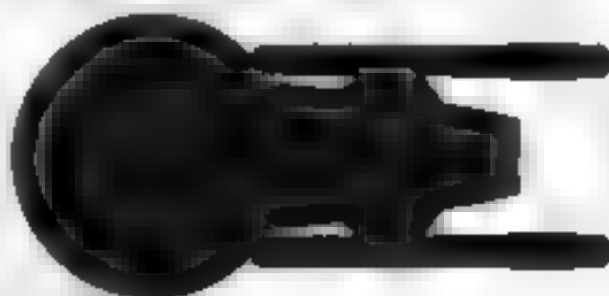
Physical Description: The (PH147/SC T4) primary hull is equipped with the (BS9/SC T4) bridge which incorporates a larger tracking station as well as additional light craft support systems. On the lower part of the primary hull is the (SM49/7C) main sensor array and (DN4/9D) navigational dome. Located on the port/starboard and bow of the primary hull (both top and bottom) are six (BP2/3C/2C) phaser banks. Towards the rear of the secondary hull above the hangar deck are two (BP2/3C/2C) phaser banks. On the underside of the secondary hull are four additional (BP2/3C/2C) phaser banks. In the rear of the primary hull are 12 (86E/5DS) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (S171/5PN) warp nacelles attached to the secondary hull by (SC/2C/6D) support pylons. Attached below the primary hull by a (BC/74/60V) connecting dorsal is the (S1182/C/SC 2) secondary hull. On the forward edge of the secondary hull are four (DN4/6A) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Located through the centerline of the secondary hull are independent hangar decks. Inside the dorsal is the (ND30/44T) intermix chamber and (AM8/48/5K) matter/antimatter storage tanks. The storage tanks are located in the rear of the connecting dorsal for emergency jettisoning. In the event of an emergency the primary and secondary hulls can separate, each being able to carry the ship's full complement. Once separated the primary hull can maintain on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

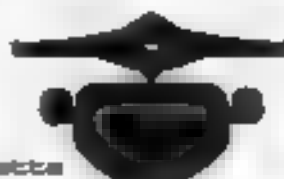
Total Target Area 80837.18 m²



Top Silhouette
Area 38888.88 m²



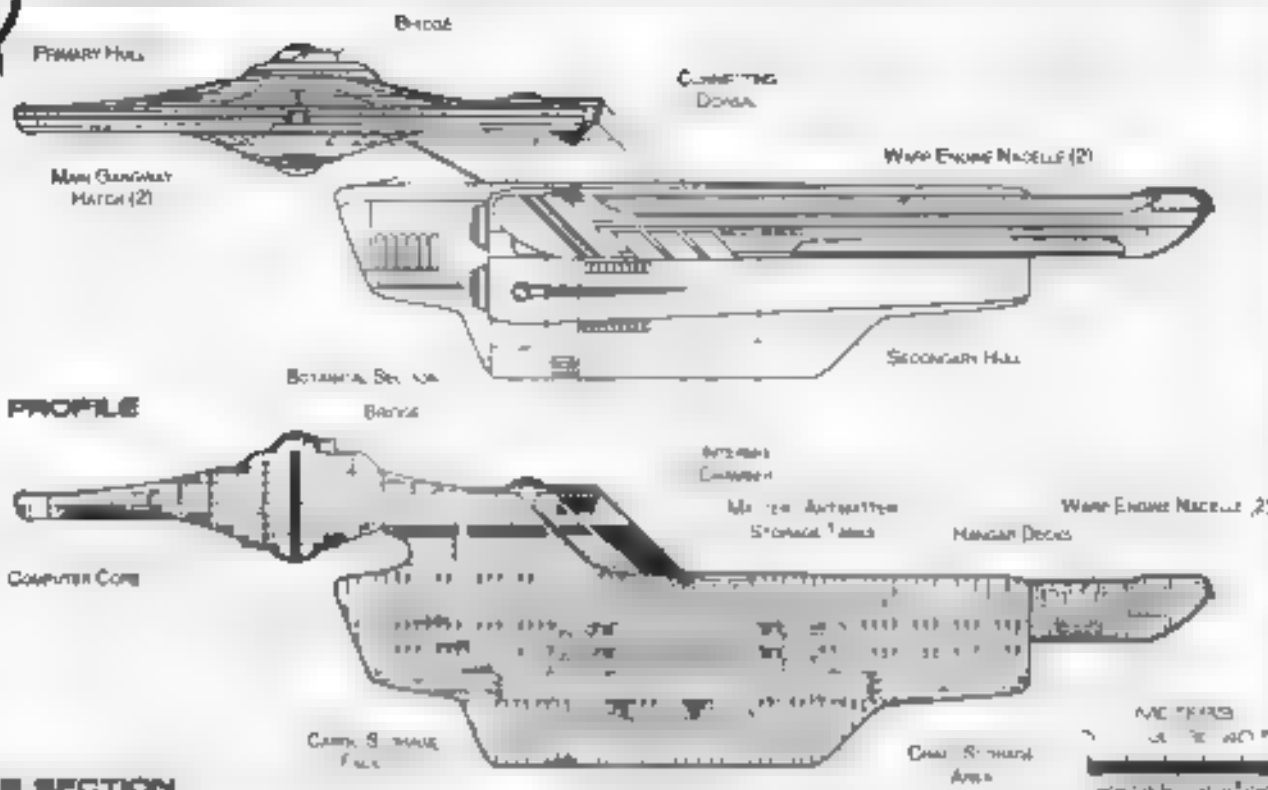
Port Silhouette
Area 11703.84 m²



Front Silhouette
Area 6440.78 m²



THROUGH DECK CARRIER



CROSS SECTION

Statistics

Classification: Through Deck Carrier

Category: Carrier

Class: JCN

Type: New

Model: MK XXVIII

Naval Construction Contract: 6400

Number Produced: 2

Number Constructed: 22

Number in Service: 21

Number Lost: 1

Dimensions:

Overall Dimensions (Meters)

Length: 300.5m

Width: 41.2m

Height: 60.4m

Primary Hull Dimensions (Meters)

Length: 40.11m

Width: 14.73m

Height: 32.94m

Secondary Hull Dimensions (Meters)

Length: 73.70m

Width: 77.64m

Height: 49.1m

Warp Unit Dimensions (Meters)

Length: 77.51m

Width: 28.84m

Height: 60m

Displacement (Metric Tons)

Light: 318,03 mt

Standard: 340,734mt

Full Load: 380,368mt

Performance:

Impulse Unit: Dual JNH HP188E/S-DS

Impulse Engine Output: 7.8x10¹² W

Impulse Power Index: 0.58

Max Cruising: C

Acceleration Rate:

0.00-0.25 Impulse: 0.345 sec

0.25-0.50 Impulse: 0.57 sec

0.50-0.75 Impulse: 0.890 sec

0.75-Full Impulse: 0.862 sec

Warp Units: 2 Nacelle with SY7-15FN

Warp Engine Output: 2.16x10¹² W

Warp Power Index: 0.40

Optimum Speed: Warp 4

Max. Safe Cruising: Warp 6

Emergency Speed: Warp 6

Max Speed: Warp 2

Destructive Speed: Warp 9.15

Acceleration Factor: 3.0

Acceleration Time:

Warp 1: Warp 2: 92 sec

Warp 2: Warp 3: 7.14 sec

Warp 3: Warp 4: 14 sec

Warp 4: Warp 5: 40 sec

Warp 5: Warp 6: 76 sec

Warp 6: Warp 7: 76 sec

Warp 7: Warp 8: 4 sec

Warp 8: Warp 9: 5.74 sec

Warp 9: Warp 9.15: 25.4 sec

Warp 9.15: Warp 9.75: 2.1 sec

Warp 9.75: Warp 9.99: 18.875 sec

Maneuver (Turns)

Standard: 8 Years

Maximum: 20 Years

Std. Ship Complement: 475

Officers: 66

Crew (Ensigns Under): 322

Troops: 7

Passengers: 86

Emergency readjuster: 1402

Medical Facilities:

Doctors: 4

Nurses: 28

Operating Rooms: 4

Beds: 26

Laboratories: 14

Transmissions: 15

1 Person: 0

2 Person: 0

3 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 4

Medium Cargo: 3

Large Cargo: 0

Super Cargo: 0

Design:

Replicators: 76

Internal Beams: 1

Low Gravity: 5.92x10¹⁰ m

Max Range: 1.4x10¹⁰ m

Cargo Specifications:

Standard Cargo Units: 851

Cargo Capacity: 1.4x10¹⁰ m

Structural Specifications:

Docking Ports:

Structural Bays Total: 44

Small Bay: 0

Medium Bay: 22

Large Bay: 1

Super Bay: 0

Anti-matter Storage: 91

Warp Bays: 5

Turret Pods: 6

Aspiric Shuttle: 2

Light Shuttle: 4

Standard Shuttle: 8

Heavy Shuttle: 7

Cargo Shuttle: 3

Aspiric Shuttle: 9

Killer Boon: 0

Fighter: 7

Heavy Fighter: 20

(Minimum: 17)

Turbid (8 persons): 16

Lifeboat: 10 persons: 14

Lifeboat: 150 persons: 5

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

Lifeboat: 150 persons: 0

ECM Index: 0.990

Shield Rating:

Shield Index: 0.88

Shield Power: 3.71x10¹² W

Refresh Rate: 8.80x10¹⁰ W

Breakdown Rate: 0.1x10¹² W

Shield Dimensions (Meters)

Length: 11.02m

Width: 0.1m

Height: 0.681m

Weapons:

Plasma Power Index: 0.515

Photon Power Index: 0.0

Troop Power Index: 0.08

Weapon Placement:

Beam (Photon) Total: 8 banks 2 each

Output: 5.0x10¹⁰ W 2.5x10¹⁰ W

Range: 2.5x10¹⁰ m

Rate of Fire: 30 ppm Cont

Forward Banks: 2

Main Banks: 2

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (Megaphoton) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Starboard Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Star Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

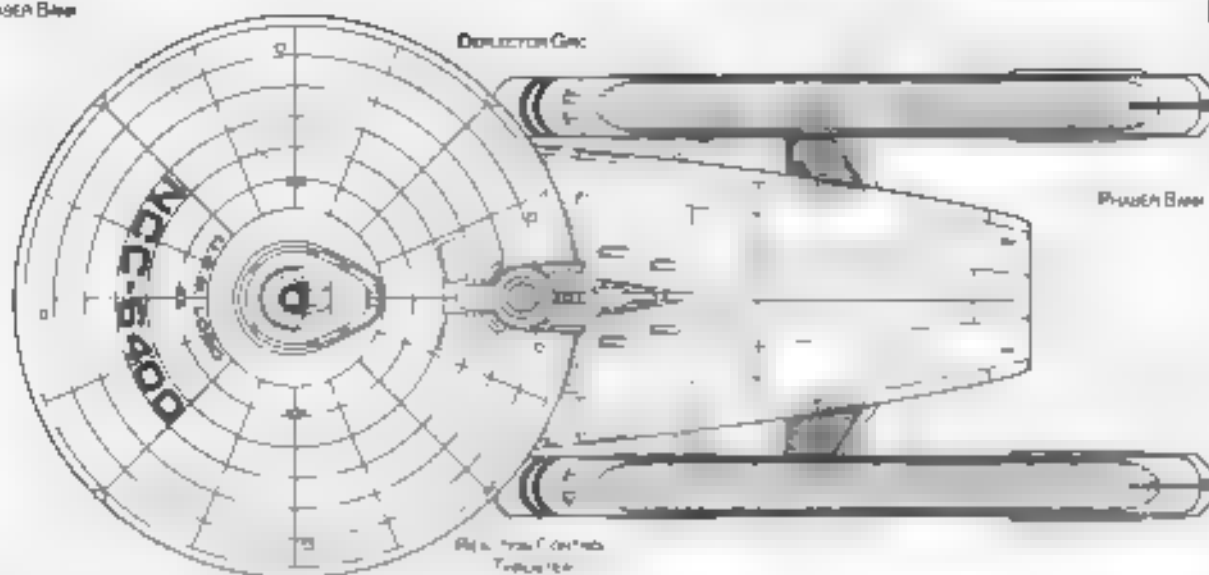
Lower Bay: 0

THROUGH DECK CARRIER



PHASER Beam

DEFLECTOR GRILL



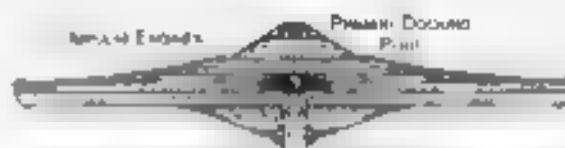
TOP PROFILE



LANDING-BAY
DOCKING



FRONT PROFILE



PHASER Beam

PHASER Beam

LANDING-BAY
DOCKING

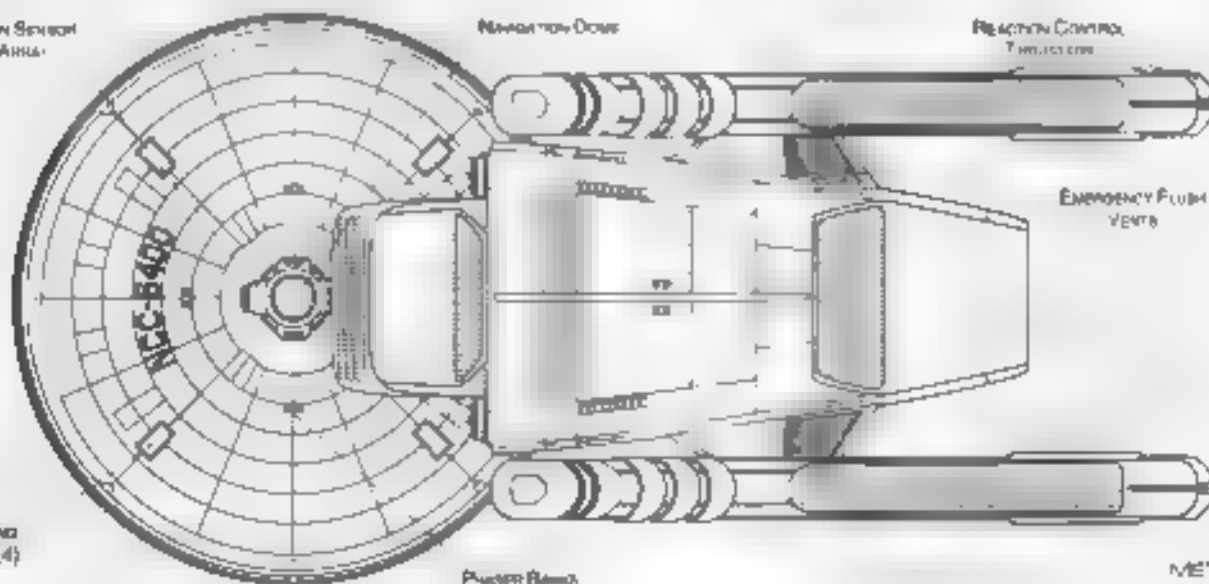


REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION DOME

REACTION CONTROL
TURRETS (2)



LANDING
PADS (4)

PHASER Beam

EMERGENCY FLUID
VENTS

BOTTOM PROFILE

METERS
0 20 30 40 50



THROUGH DECK: CARRIER

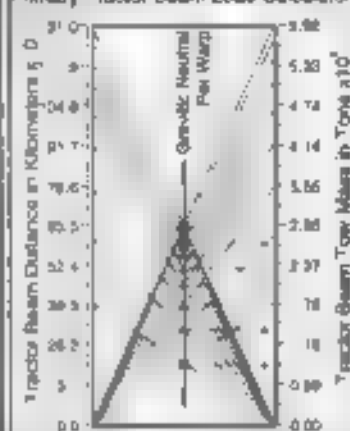
Ship Names

THE FOLLOWING SHIPS OF THE MK XXVII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2274.9

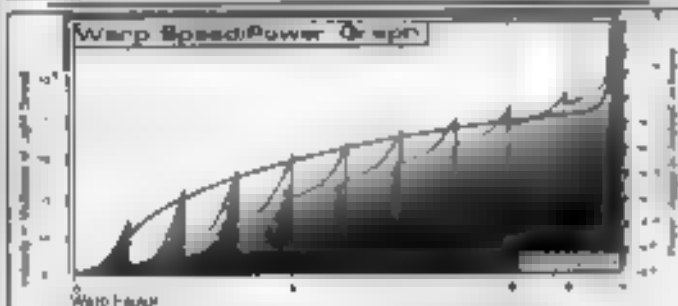
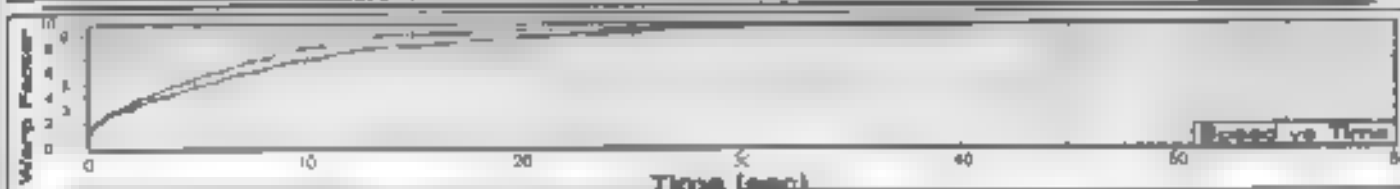
ALMEIDA NCC 6406
BOEHA NCC 6407
CRANT ART NCC 6408
DICK ARADOT NCC 6409
EUGENEL NCC 6410
F. JIMMY NCC 6411
GRANK HK NCC 6412
HERSONARD NCC 6413
HPLAND NCC 6414
IR. K. NCC 6415
JABOR NCC 6416
K. J. BLER NCC 6417
LAWAR NCC 6418
MBO NCC 6419
MAN. CIGMAN NCC 6420
NARRI. JAR NCC 6421
PA. J. J. J. NCC 6422
R. J. J. NCC 6423
S. J. J. NCC 6424
T. J. J. NCC 6425
U. J. J. NCC 6426
V. J. J. NCC 6427
W. J. J. NCC 6428
X. J. J. NCC 6429
Y. J. J. NCC 6430
Z. J. J. NCC 6431

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



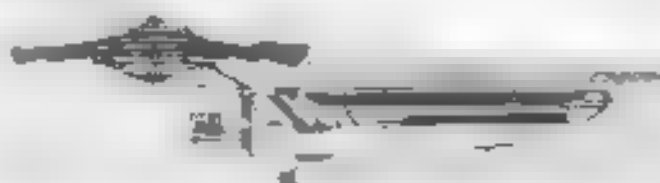
CLASS SHIP, TOWED IN THE LINE OF DUTY, PROPOSED ALL NAMES PRECEDED WITH "U.S.S."



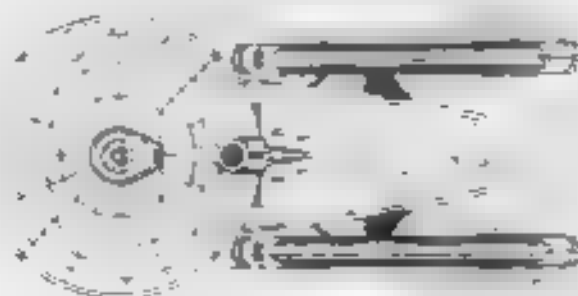
Field Length: 710 3km
Field Width: 200 20km
Field Height: 110 20km



Front Warp Field Profile
Cross Section Area: 17798.88 m²



Port Warp Field Profile
Cross Section Area: 8008.84 m²



Top Warp Field Profile
Cross Section Area: 117490.88 m²

WARP FIELDS

SRM2 04:03:02:04

STARFLEET REFERENCE MANUAL

TOP DECK

FEDERATION VESSEL

THROUGH DECK CRUISER



General Information

Specific Role: The Through Deck Cruiser is a highly maneuverable frontline fighter shuttle delivery system based on the Enterprise Class Heavy Cruiser. The vessel can perform on par with a Heavy Cruiser and deliver small craft directly into the action on the frontline. The through deck provides facilities for rapid recovery and turn around of small craft during combat missions. These vessels are used to investigate worlds for formal first contact follow-up missions.

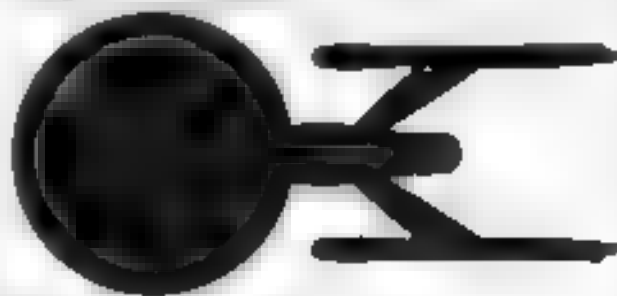
Physical Description: The PH147/SC T3 primary hull is equipped with the (BS9/SC R2) bridge which incorporates a larger tracking station as well as additional light craft support systems. On the lower part of the primary hull is the SM49/7E) main sensor array and DVA 9B) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six BP2 30-2C phaser banks. Towards the rear of the secondary hull above the hangar deck are two BP2 30-2C phaser banks. On the underside of the secondary hull are four additional BP2 30-2C phaser banks. In the rear of the primary hull are (IRF35E 4 AW) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW52/ 5A) warp nacelles attached to the S1131/SC C5) secondary hull by DL7556C support pylons. The primary and secondary hulls are joined by the DL75048C) connecting dorsal. Located through the centerline of the secondary hull are the two connected medium hangar decks. Running through the dorsal is the (MD25 14 2R) intermix chamber. Inside upper rear secondary hull, the (AM8 16-4C) matter/antimatter storage tanks are easily jettisoned in case of an emergency. At the base of the dorsal is a forward facing (PH2 25 10F) photon torpedo bay. In the event of an emergency the primary and secondary hulls can separate each being able to carry the ships full complement. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 26430.18 m²



Top Silhouette
Area 27000.66 m²



Area 9218.84 m²



Front Silhouette
Area 3008.48 m²



ORISKANY CLASS



Statistics

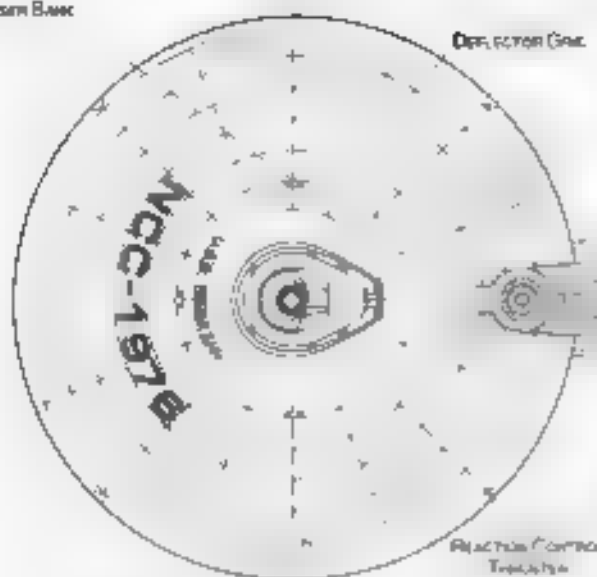
Upper Bay: 0

THROUGH DECK CRUISER

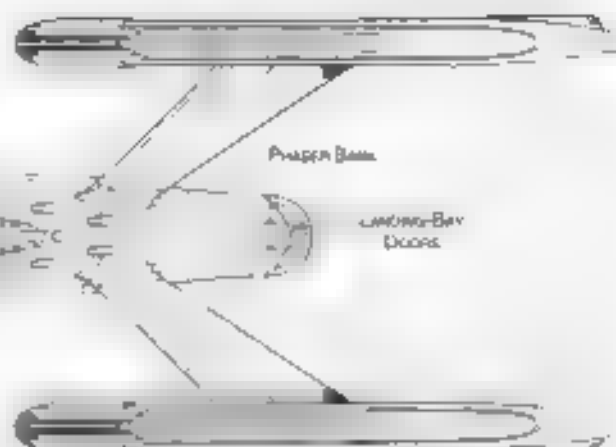


PHASER BANK

DEFLECTION GRID

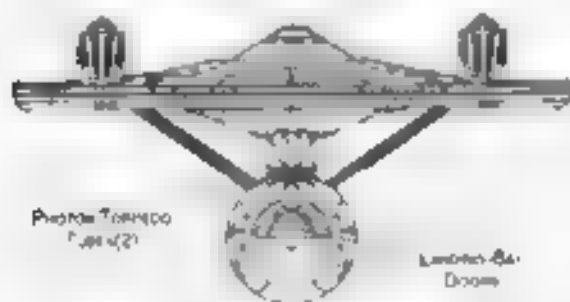


REACTION CONTROL THRUSTERS



PHASER BANK

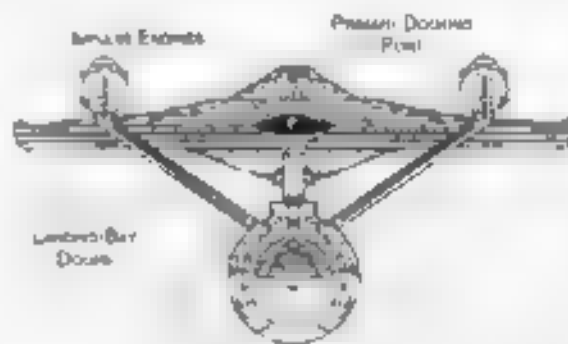
LANDING BAY DOORS



PHASER TORPEDO LAUNCHERS (2)

LANDING BAY DOORS

FRONT PROFILE



PHASER TORPEDO LAUNCHERS

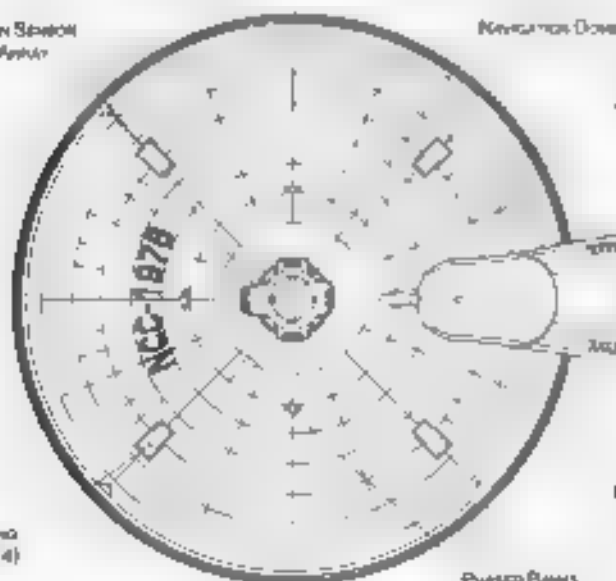
PHASER DOCKING PORT

LANDING BAY DOORS

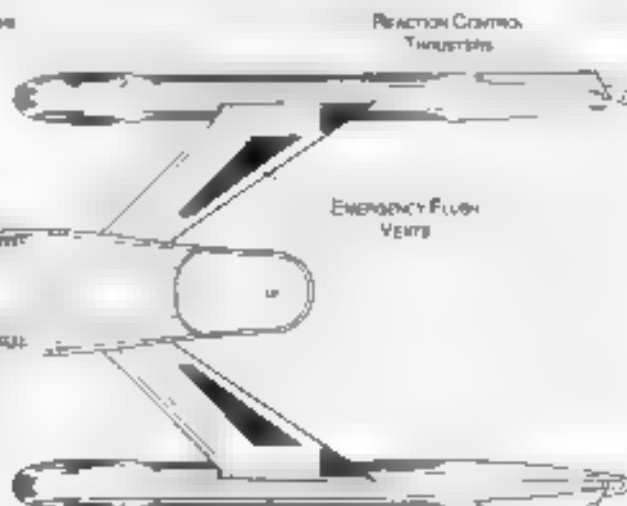
REAR PROFILE

MAIN SENSOR APERTURE

NAVIGATION DOOR



PHASER BANKS



REACTION CONTROL THRUSTERS

EMERGENCY FLUSH VENTS

LANDING PADS (4)

BOTTOM PROFILE

METERS
0 10 20 30 40 50



THROUGH DECK CRUISER

Ship Names

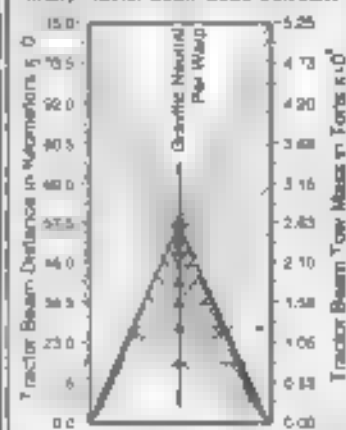
THE FOLLOWING SHIPS OF THE MK XXI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLE 2 OF FEDERATION OF STAROATE 2202.11

[illegible]

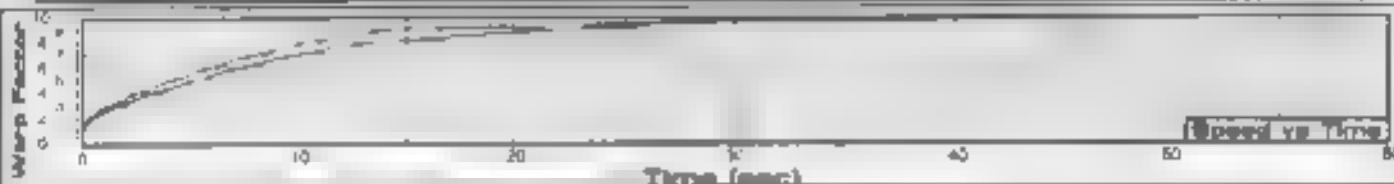
CLARE SHIP LOST IN THE LINE OF DUTY. "RECORDED ALL NAMES RECORDED WITH T.S.B." (U)

Tractor Beam Specifications

Front-End Tractor Beam Load Calculations



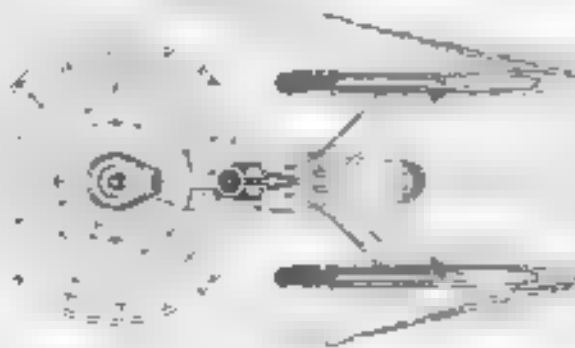
ORISKANY CLASS



Page 1 of 1000
Page 2 of 1000
Page 3 of 1000



Front Warp Field Profile
Cross Section Area 18148.00 m²

Port Warp Field Profile
 Gross Burner Area 48854.08 m²

Top Warp Field Profile
 Cross Section Area: 10000.00 m²

WARP FIELDS

SAM2 04:03:03:04

STARFLEET REFERENCE MANUAL

H-1-H-1-H-1-H-1-H-1-H-1-H

HEAVY SCOUT



General Information

Specific Role: The Heavy Scout is an ultra fast, cost effective starship used for patrols, surveillance and Federation defense. The warp nacelles are located side by side which gives the heavy scout a long slender warp field for increased speed. The primary mission of the Scout, using extensive surveillance equipment, is to perform extended reconnaissance patrols into critical areas ahead of Federation vessels. During normal operations the scout is used for both surveillance and picket duty around capital ships. The vessel's small size make it both swift and difficult to target.

Physical Description: The (PH14775 M3) primary hull is equipped with additional sensors, life support systems and a small hangar deck (located on the upper starboard side). Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (BS1475 D2) bridge which incorporates the larger enhanced sensors and tracking station. On the lower part of the primary hull is the (SM497A) main sensor array and (DN15A) navigational dome. Below the warp nacelles is the (SM497H 2A) lower sensor array. Above the impulse units connected by a (DL 2054) support pylon is the (SM4854/10) upper sensor array. Located on the port starboard and bow of the primary hull (photo top and bottom) are six (H2 4020) phaser banks. To the rear of the primary hull are (1) (M2041 20) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SW5214H) warp nacelles slanted together and mounted underneath the secondary hull by a (DU6050F) connecting dorsal. The vessel is also equipped with additional inertial dampeners to compensate for its decreased maneuverability. Inside the dorsal are the (M2041 20) intermix chamber and (AMK 364V) matter/energy matter storage tanks. The storage tanks are located in the rear of the connecting dorsal for emergency re-boosting. Nestled between the dorsal and the nacelles is a forward facing (13225) photonic torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated, the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem

ANDERSON CLASS



Ship Silhouettes

Total Target Area: 30908.58 m²



Top Silhouette
Area: 90870.00 m²



Port Silhouette
Area: 7340.94 m²

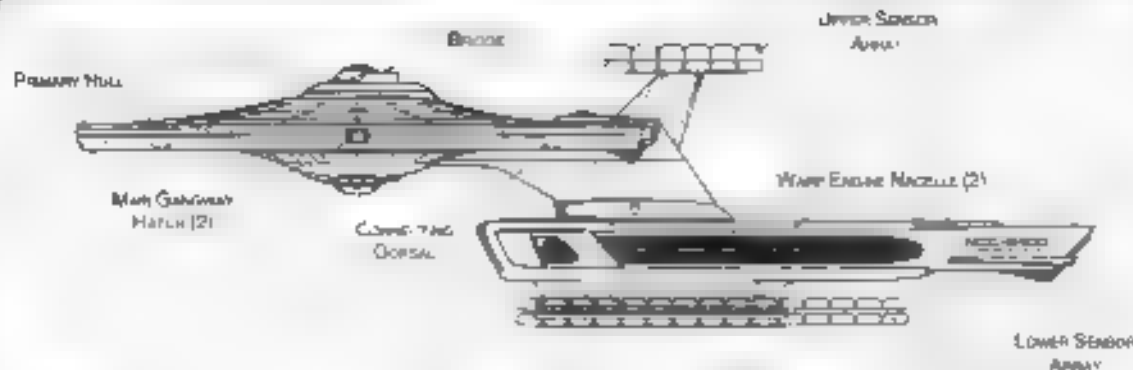


Front Silhouette
Area: 2003.00 m²



HEAVY SCOUT

ANDERSON CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: Heavy Scout
Category: T-104
Class: Anderson
Type: C-104
Model: V-104
Naval Construction Contract: 1400
Number Proposed: 1
Number Constructed: 1
Number in Service: 1
Number Lost: 0
Displacement:
 Overall Dimensions (Meters)
 Length: 250.0m
 Width: 14.0m
 Height: 10.0m
 Primary Hull Dimensions (Meters)
 Length: 48.31m
 Width: 4.72m
 Height: 32.94m
 Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
 Warp Unit Dimensions (Meters)
 Length: 54.81m
 Width: 2.00m
 Height: 8.32m
 Displacement (Metric Tonn)
 Light: 4,265mt
 Standard: 5,350mt
 Full Load: 168,955mt
Performance:
 Impulse Unit: Dual JIN-1RF35E/3-EG
 Impulse Engine Output: 7.8x 10¹⁵ W
 Impulse Power Index: 3
 Max Cruising: C
 Acceleration Rate:
 0.00-0.28 Impulse: 0.53 sec
 0.28-0.50 Impulse: 0.230 sec
 0.50-0.75 Impulse: 0.306 sec
 0.75-Full Impulse: 0.383sec
 Warp Units: 2 Nozzle Inds (SW521-5F8)
 Warp Engine Output: 20x10¹⁵ W
 Warp Power Index: 34

Optimum Speed: Warp 6
Max Safe Cruising: Warp 8
Emergency Speed: Warp 8.8
Max Speed: Warp 9
Destructive Speed: Warp 9.5
Acceleration: Power 30
Acceleration Table:
 Warp 1 Warp 2 0.53 sec
 Warp 2 Warp 3 0.45 sec
 Warp 3 Warp 4 0.31 sec
 Warp 4 Warp 5 0.21 sec
 Warp 5 Warp 6 0.15 sec
 Warp 6 Warp 7 0.14 sec
 Warp 7 Warp 8 0.13 sec
 Warp 8 Warp 9 0.12 sec
 Warp 9 Warp 10 0.11 sec
 Warp 10 Warp 11 0.10 sec
 Warp 11 Warp 12 0.09 sec
 Warp 12 Warp 13 0.08 sec
 Warp 13 Warp 14 0.07 sec
 Warp 14 Warp 15 0.06 sec
 Warp 15 Warp 16 0.05 sec
 Warp 16 Warp 17 0.04 sec
 Warp 17 Warp 18 0.03 sec
 Warp 18 Warp 19 0.02 sec
 Warp 19 Warp 20 0.01 sec
Shields (Tonn)
 Standard: 4.0 tons
 Maximum: 24.0 tons
Inf. Ship Complement: 170
 Officers: 5
 Crew (Single Grade): 260
 Troops:
 Passengers: 38
Emergency condition: +505
Medical Facilities:
 Doctors: 4
 Nurses: 21
 Operating Rooms: 3
 Beds: 1
Laboratories: 25
Transporters: Total: 9
 1 Person: 0
 2 Person: 0
 3 Person: 0
 12 Person: 0
 23 Person: 0
 Small Cargo: 2
 Medium Cargo: 1
 Large Cargo: 0
 Super Cargo: 0

Bridge:
 Replicators: 14
 Ejector Seats: 1
 Torpedo Bay: 44x100m
 Max Range: 100m
Cargo Specialization:
 Standard Cargo Units: 200
 Cargo Capacity: 1000mt
Weaponry Specialization:
 Docking Ports: 1
 Mountcraft Bays Total: 1
 Small Bay: 0
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
 Shuttlecraft Standard: 15
 Work Bays:
 Travel Pods: 1
 Aquatic Shuttle: 0
 Light Shuttle:
 Standard Shuttle: 3
 Heavy Shuttle:
 Cargo Shuttle:
 Assault Shuttle: 1
 Elder Beam: 2
 Fighter: 2
 Heavy Fighter: 2
 Lifelines: 10
 Turboreactor (5 person): 23
 Lifeline (10 person): 1
 Lifeline (20 person): 1
 Lifeline (30 person): 1
Shielding Devices:
Energy Index Table:
 Primary Battery: 2,243
 Shielding Battery: 2,2750
 Main Range: 54.2
 Long Range: 5623
 Navigation: 1874
 Special: 1,5005
Communications: 7
 Type: Anderson Duplexed 100
 Type: Receptor: Anderson 100

ECM Index: 1.50
Shielding:
 Shield Index: 40
 Shield Power: 3.87x 10¹⁷ W
 Refresh Rate: 9.86x10¹⁷ W
 Breakdown Rate: 1.8x 10¹⁷ W
 Shield Dimensions (Meters)
 Length: 32.70m
 Width: 17.00m
 Height: 8.88m
Weapons:
 Phaser Power Index: 0.07
 Photon Power Index: 2.08
 Torpedo Power Index: 1.48
Weapon Parameters:
 Beam (Phasers) Total: 8 beams 2 each
 Output: 5.0x10¹⁷ W 2.5x10¹⁷ W
 Range: 2.8x 10¹⁷ m
 Rate of Fire: 30 ppm (Com)
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
 Beam (Missiles/Phasers) Total: 0
 Output: N/A
 Range: N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedo (Orbitals) Total: 1 Bay 2 each
 Stock: 40
 Range: 2.0x 10¹⁷ km
 Output: 10.50 Megatons
 Rate of Fire: 0 ppm
 Forward Bay: 1
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

REPLICATION VERBET

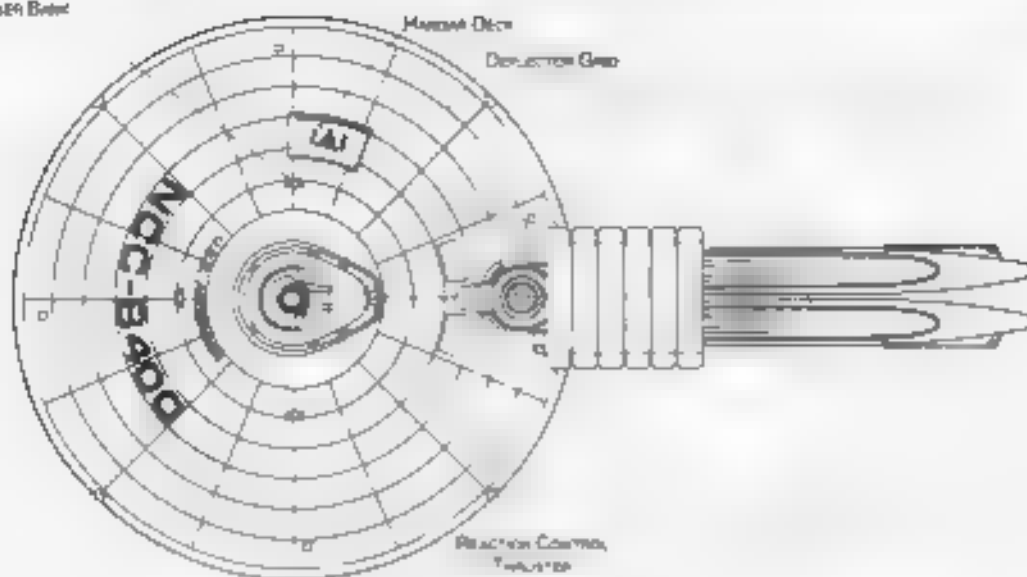
HEAVY SCOUT



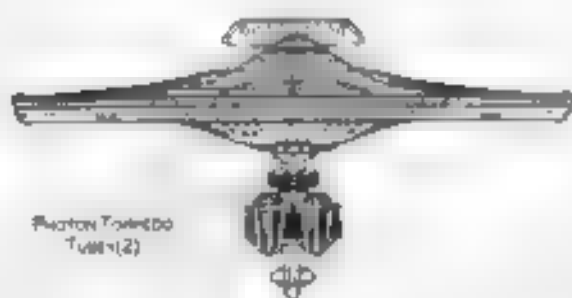
PHASER BANK

MAIN DECK

DEFLECTOR GRID

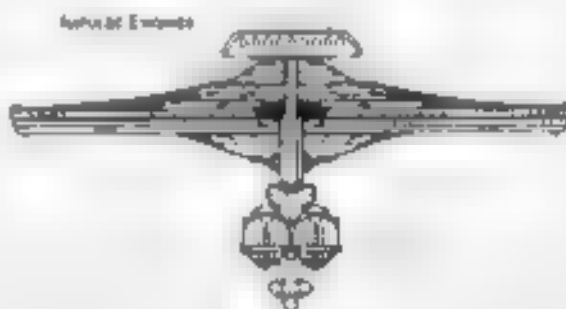


TOP PROFILE



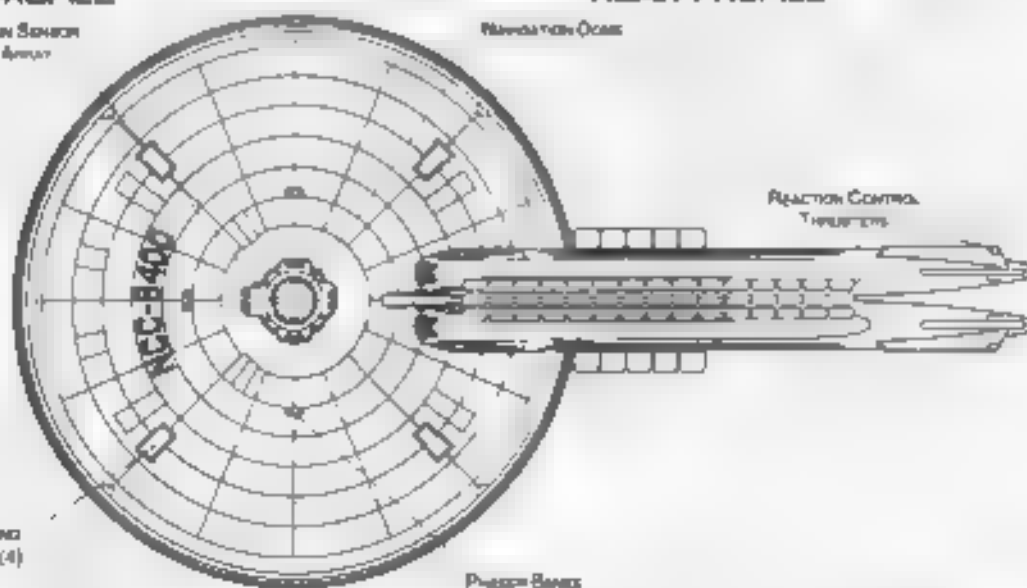
FRONT PROFILE

MAIN SENSOR
ARRAY



REAR PROFILE

ENGINE EXHAUSTS



BOTTOM PROFILE

LANDING
PADS (4)

REACTION CONTROL
THRUSTERS

PHASER BANK

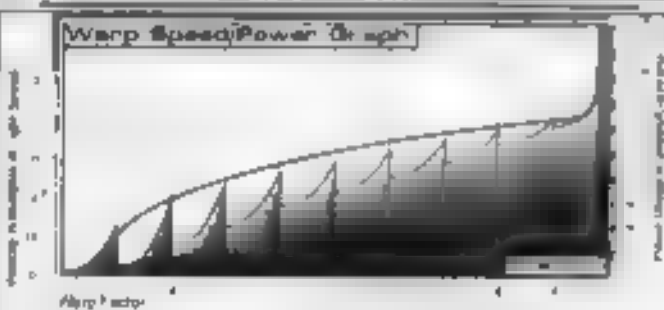
METERS
0 10 20 30 40 50
SCALE BAR



Tractor Beam Specifications

Primary reactor Beam Load Calculator

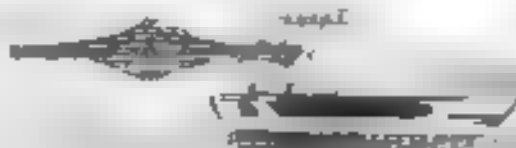
CLARENCE, LOST IN THE LINE OF DUTY. ENROLLING ALL NAMES ENROLLING WITH "U.S.S."



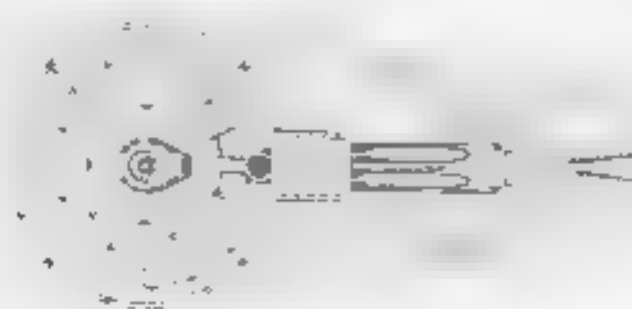
Field Length	54 d 70cm
Field Width	17 d 70cm
Field Volume	10 d 70cm



Front Warp Field Profile
Cross Section Area 11848.04 m²



Port Warp Field Profile



Top Warp Field Profile
Cross Section Area: 73317.08 m²

WARP FIELDS

SRM2 04:04:01:04

STARFLEET REFERENCE MANUAL

ANDERSON CLASSES

REDEFINITION OF VALUE



General Information

Specific Role: The Scout is an fast, cost effective starship used for patrols, surveillance and Federation defense. The primary mission of the Scout, using surveillance equipment, is to perform extended reconnaissance patrols into critical areas ahead of Federation vessels. During normal operations the scout is used for both surveillance and picket duty around capital ships. The vessel's small size make it both swift and difficult to target.

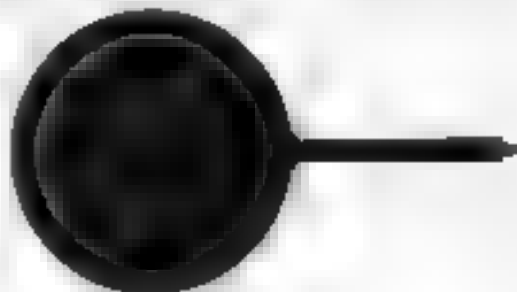
Physical Description: The PH147/S M2 primary hull is equipped with additional sensors, hull reinforcements and a small hangar deck (located in the upper starboard side). Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the BS11/S J1 bridge which incorporates the larger enhanced sensors and tracking station. On the lower part of the primary hull is the (SM49/41) main sensor array and (DN1/91) navigation dome. Below the warp nacelles is the (SM1/52/2A) lower sensor array. Located port starboard and to the front on both top and bottom of the primary hull are 6 (H12/30/2C) phaser banks. To the rear of the primary hull are (P186/2 SB) dual impulse units which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated a single (SW52/1/511) warp nacelle mounted underneath the secondary hull by a (JC/50/485) connecting dorsal. Inside the dorsal are the (M20/10 IE) sternum chamber and (AM4/142A) matter antimatter storage tanks. The storage tanks are located on the rear of the connecting dorsal for emergency jettisoning. Nested between the dorsal and the nacelle is a forward facing PB2/25/108 photon torpedo bay. In the event of an emergency the primary hull can separate from the warp nacelle section. Once separated the primary hull can maneuver on impulse power for extended periods of time.

Class Emblem



Ship Silhouettes

Total Target Area 87081.37 m²



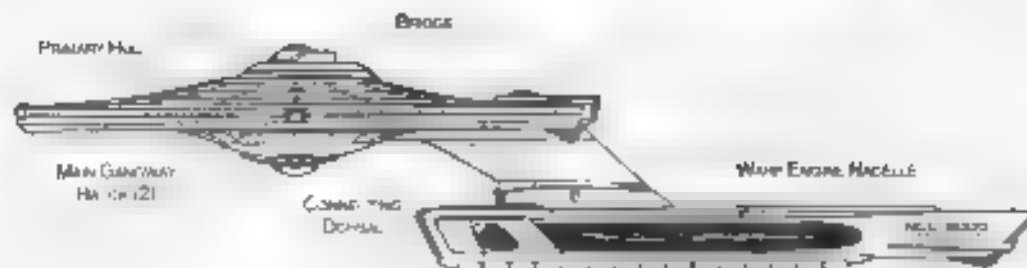
Top Silhouette
Area 18870.17 m²



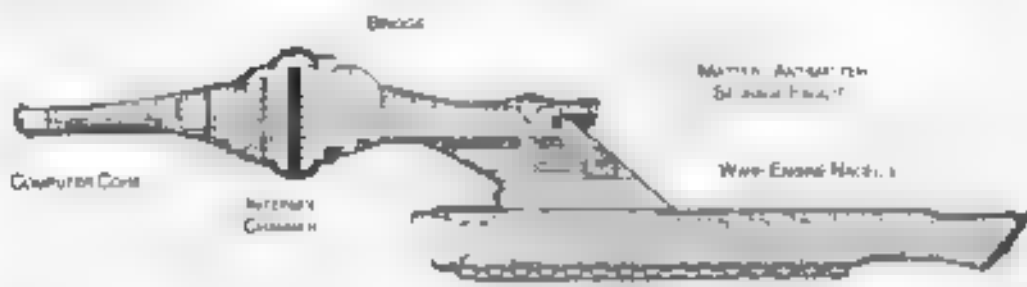
Port Silhouette
Area 8808.24 m²



Front Silhouette
Area 2344.80 m²



PORT PROFILE



Statistics

Classification: Scout
Category: NA
Class: Anubus
Type: Class
Model: MK VII
Naval Construction Contract: 1000
Number Proposed: 08
Number Constructed: 96
Number in Service: 94
Number Lost: 2
Dimensions:
Overall Dimensions (Meters)
 Length: 144.45m
 Width: 14.13m
 Height: 31.1m
Primary Hull Dimensions (Meters)
 Length: 48.7m
 Width: 4.72m
 Height: 32.04m
Secondary Hull Dimensions (Meters)
 Length: N/A
 Width: N/A
 Height: N/A
Warp Unit Dimensions (Meters)
 Length: 154.8m
 Width: 12.63m
 Height: 18.12m
Displacement (Metric Tons)
 Light: 4,255mt
 Standard: 5,350mt
 Full Load: 188,955mt
Performance:
Impulse Units: Dual Jet (IRF35E-1-9B)
Impulse Engine Output: 8x10⁴ W
Impulse Power Index: 70
Max Cruising: C
Acceleration Rate:
 0.00-0.25 Impulse: 0.7 sec
 0.25-0.50 Impulse: 0.16 sec
 0.50-0.75 Impulse: 0.235 sec
 0.75-Full Impulse: 0.294 sec
Warp Units: 2 Module Units SW52/54H
Warp Engine Output: 20x10⁴ W
Warp Power Index: 0.85

Optimum Speed: Warp 4
Max Safe Cruising: Warp 6
Emergency Speed: Warp 6.1
Max Speed: Warp 6
Desturbo Speed: Warp 6.25
Acceleration Power: 0
Acceleration Time:
 Warp 1 Warp 2: 1.35 sec
 Warp 2 Warp 3: 0.8 sec
 Warp 3 Warp 4: 0.4 sec
 Warp 4 Warp 5: 0.24 sec
 Warp 5 Warp 6: 0.15 sec
 Warp 6 Warp 7: 0.15 sec
 Warp 7 Warp 8: 0.15 sec
 Warp 8 Warp 9: 0.15 sec
 Warp 9 Warp 10: 0.15 sec
 Warp 10 Warp 11: 0.15 sec
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 Warp 48 Warp 49: 0.15 sec
 Warp 49 Warp 50: 0.15 sec
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 Warp 51 Warp 52: 0.15 sec
 Warp 52 Warp 53: 0.15 sec
 Warp 53 Warp 54: 0.15 sec
 Warp 54 Warp 55: 0.15 sec
 Warp 55 Warp 56: 0.15 sec
 Warp 56 Warp 57: 0.15 sec
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 Warp 79 Warp 80: 0.15 sec
 Warp 80 Warp 81: 0.15 sec
 Warp 81 Warp 82: 0.15 sec
 Warp 82 Warp 83: 0.15 sec
 Warp 83 Warp 84: 0.15 sec
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 Warp 86 Warp 87: 0.15 sec
 Warp 87 Warp 88: 0.15 sec
 Warp 88 Warp 89: 0.15 sec
 Warp 89 Warp 90: 0.15 sec
 Warp 90 Warp 91: 0.15 sec
 Warp 91 Warp 92: 0.15 sec
 Warp 92 Warp 93: 0.15 sec
 Warp 93 Warp 94: 0.15 sec
 Warp 94 Warp 95: 0.15 sec
 Warp 95 Warp 96: 0.15 sec
 Warp 96 Warp 97: 0.15 sec
 Warp 97 Warp 98: 0.15 sec
 Warp 98 Warp 99: 0.15 sec
 Warp 99 Warp 100: 0.15 sec
Maximum: 24 Years
Old Ship Completion: 344
Officer: 1
Crew (Design Grade): 277
Troop:
Passengers: 25
Emergency condition: 146
Medical Facilities:
 Doctors: 4
 Nurses: 2
 Operating Rooms: 3
 Beds: 4
Laboratories: 20
Importers: 4
 1 Person: 3
 2 Person: 0
 6 Person: 3
 12 Person: 0
 22 Person: 3
 Small Cargo: 2
 Medium Cargo:
 Large Cargo:
 Super Cargo: 0

Brain:
Replicators: 1
Isotope: 1
Two Isotope: 1
Star Range: 1
Cargo Specifications:
 Standard Cargo Units: 8
 Cargo Capacity: 1
Manufacturing Specifications:
 Working Parts:
 Small Bay:
 Medium Bay: 0
 Large Bay: 0
 Super Bay: 0
 Standard: 1
 Work Base:
 Turret Pods:
 Aquatic Shuttle: 0
 Light Shuttle:
 Standard Shuttle: 3
 Heavy Shuttle:
 Cargo Shuttle: 1
 Assault Shuttle: 1
 Killer Ship: 2
 Fighters:
 Heavy Fighter: 2
 Lifeships: 38
 Turbidity (10 persons): 23
 Lifeship (10 persons): 10
 Lifeship (20 persons): 3
 Lifeship (30 persons): 1
Weapons:
Impulse Engines:
 Primary: 1
 Secondary: 1
 Turret: 1
 Star: 1
 Long Range: 1
 Navigation: 1
 Special: 1
Computers:
 Type: 1
 Type: 1

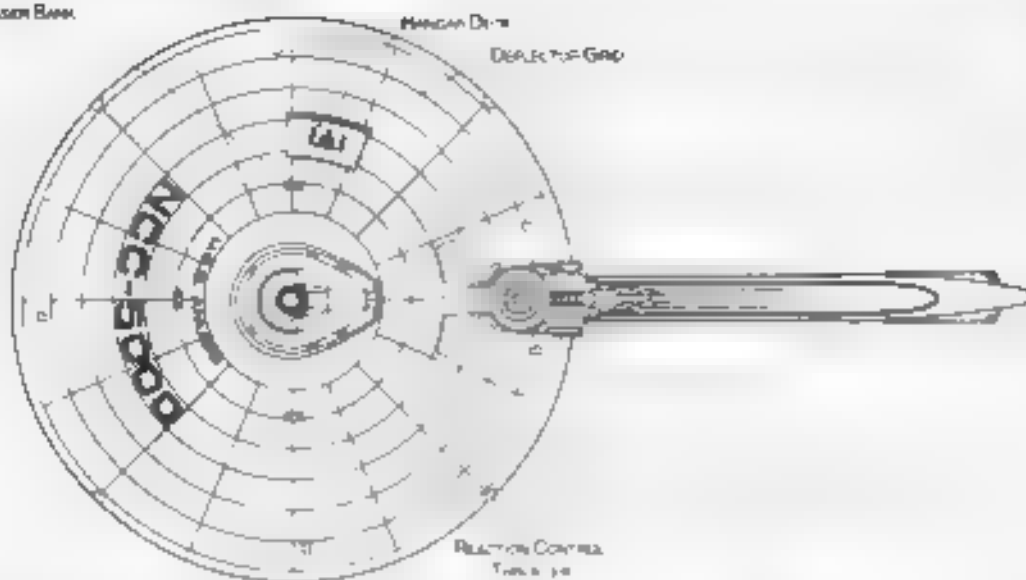
ECM Index: 1
Shield Rating:
 Shield Index: 40
 Shield Power: 144.45 W
 Refresh Rate: 144.45 W
 Breakdown Rate: 144.45 W
 Shield Dimensions (Meters):
 Length: 144.45m
 Width: 14.13m
 Height: 31.1m
Weapons:
 Photon Power Index: 25
 Photon Power Index: 4
 Vessel Power Index: 59
 Weapon Placement:
 Beam (Photon) Total: 6 bullets 2 each
 Output: 14.4 W
 Range: 2 x 10⁴ km
 Rate of Fire: 10 ppm
 Forward Banks: 2
 Rear Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 3
 Lower Banks: 0
 Beam (Photon) Total: 0
 Output: 14.4 W
 Range: 14.4 W
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photon) Total: 0
 Output: 14.4 W
 Range: 2 x 10⁴ km
 Output: 10-50 Megatons
 Rate of Fire: 0 ppm
 Forward Bay:
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0



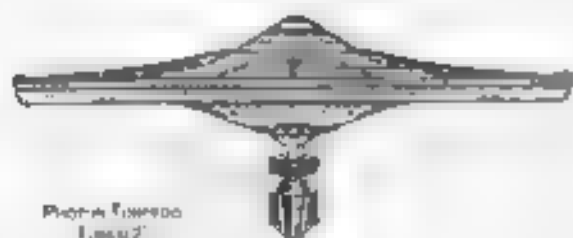
PHASER BANK

MANICOR DRIVE

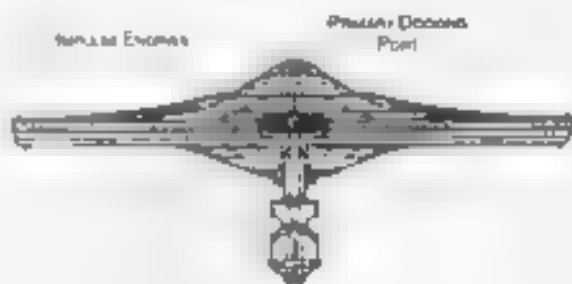
DETECTIVE GRID



TOP PROFILE



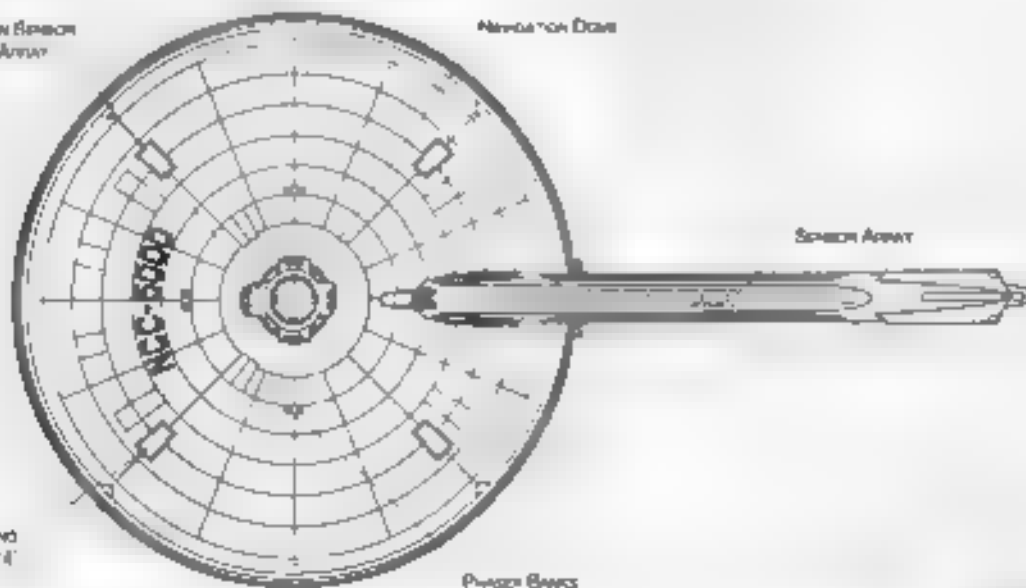
FRONT PROFILE



REAR PROFILE

MANICOR DRIVE

MANICOR DRIVE



BOTTOM PROFILE

METERS
0 10 20 30 40 50



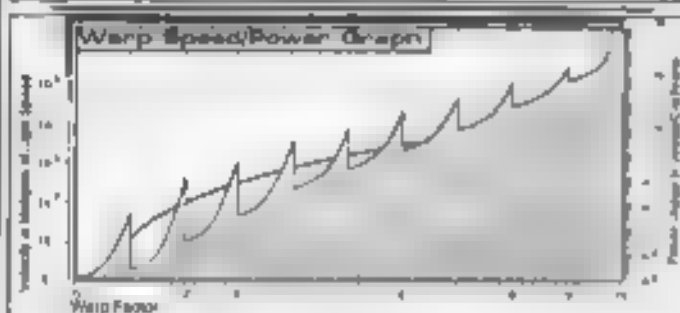
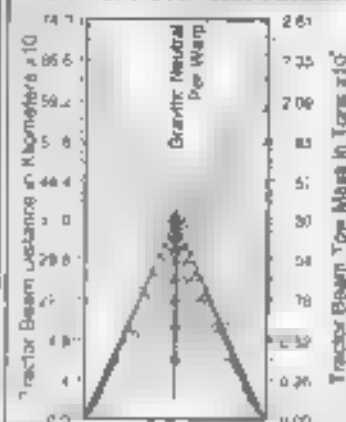
THE FOLLOWING SHIPS OF THE MK-XXX CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2200.3

AEDN INH NMC 5037
 ANIBUS NMC 5000
 APPEL NMC 5051
 A. J. NMC 5039
 AQUILA NMC 5037
 ARIF NMC 5018
 ARPI T NMC 5080
 BARGE NMC 5080
 BAUDON NMC 5071
 BERNARD NMC 5073
 BL. NMC 5011
 BROGER NMC 5006
 BURTON NMC 5080
 C. NMC 5011
 C. ALPHON NMC 5070
 C. NMC 5020
 C. NMC 5078
 CARSON NMC 5002
 C. NMC 5080
 C. ALPHON NMC 5011
 C. NMC 5011
 C. NMC 5036
 CHAPMAN NMC 5011
 C. NMC 5011
 C. NMC 5011
 C. NMC 5011

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Tractor Beam Specifications

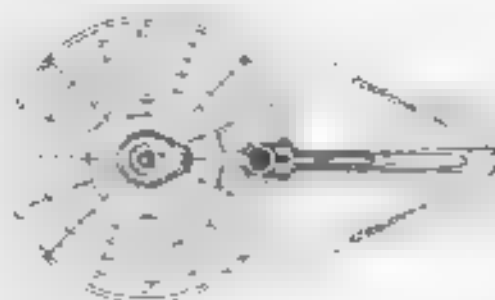
Primary Tractor Beam Load Calculator



Field Lengths: 4-6.5 Meters
Field Widths: 1.75-4.0m
Field Masses: 71-100m



Front Warp Field Profile
Over Warp Area 11800 sq. in.

Port: Warp Field Profile
 Core Section Area 25253.80 m²

Top Warp Field Profile
 Cross Section Area: 2038.05 m²

WARP FIELDS

SAM2 04:04:02:04

STARFLEET REFERENCE MANUAL

ANNUAL CLASS

FREE INFORMATION: 1-888-

EXPLORATION CRUISER

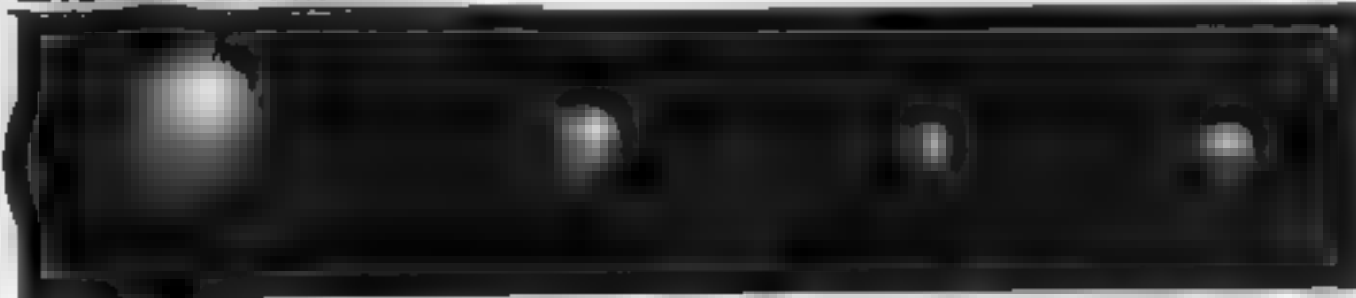


General Information

Specific Role: The Exploration Cruiser is an extensive system charting and exploration vessel. The ship is equipped with an enhanced sensor array for extensive solar system exploration and two dual impulse units for added in-system maneuverability. In order to maintain the Prime Directive, the cruiser incorporates ECM, ECCM devices to reduce the risk of being detected by developing cultures. These vessels are used to investigate worlds for formal first contact.

Physical Description: The Exploratory Cruiser incorporates an extended (PHE 47 F M1) primary hull and is equipped with enhanced passive sensors, advanced research systems and additional laboratories. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (HS 17 R E2) bridge which incorporates the enhanced sensor and multiple scientific stations. On the lower part of the primary hull is the (SM4H 7N) sensor array and (DN 1 W) navigational dome. Underneath the primary hull are three (SMH 42 2A) passive sensor arrays. On the front of the primary hull is an integrated (SMFV1 H/4N) sensor array and navigational deflector located port starboard and to the front on both top and bottom of the primary hull are 6 (SP2 30 20) phaser banks. To the rear of the primary hull are two (1180h 2 W Y 4a) by the volts which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by a single (SW52 55 H) warp nacelle located above the primary hull. The warp nacelle is attached to the hull by a (DL 5H 5 H) connecting dorsal. Inside the primary hull are the (M20/10) Quantum chamber and (AM8 8 2Z) matter/antimatter storage tanks. The storage tanks are positioned to the port side of the primary hull for emergency jettisoning. Between the impulse units is a medium hangar deck. In the event of an emergency the primary hull can separate from the warp nacelle. Once separated the primary hull can maneuver on impulse power for extended periods of time.

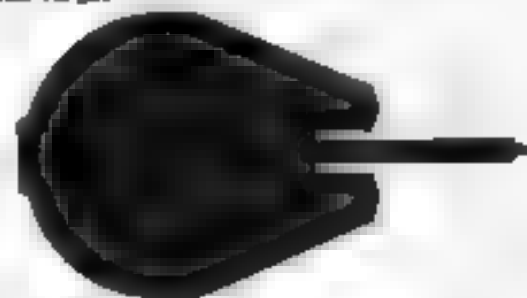
Class Emblem



GREGORY CLASS EXPLORATION CRUISER

Ship Silhouettes

Total Target Area 30844.18 m²



Top Silhouette
Area 82596.00 m²



Port Silhouette
Area 9781.88 m²



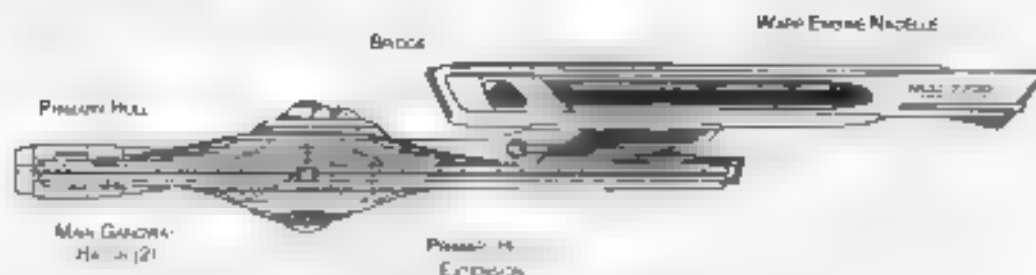
Front Silhouette
Area 2198.20 m²

SRM2 04:05:01:01

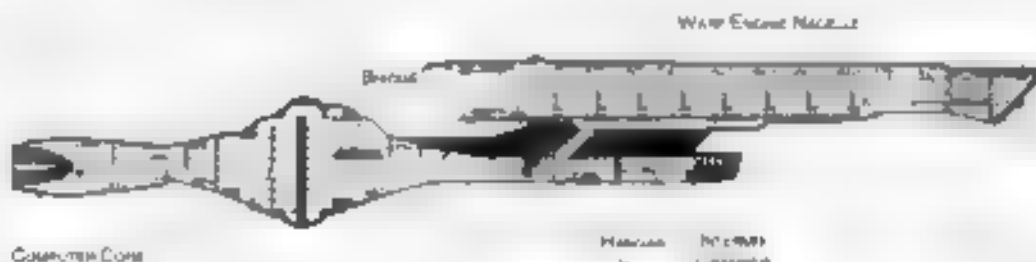


EXPLORATION CRUISER

GREGORY CLASS



PORT PROFILE



CROSS SECTION

Statistics

Classification: T-14 (int. name)

Category: Research Vessel

Class: Light

Type: Class

Model: MN-241V

Naval Construction Contract: 7700

Number Proposed: 6

Number Constructed: 83

Number in Service: 15

Number Lost: 4

Dimensions:

Overall Dimensions (Meters)

Length: 4.43m

Width: 4.2m

Height: 4.9m

Primary Hull Dimensions (Meters)

Length: 182.58m

Width: 4.2m

Height: 42.94m

Secondary Hull Dimensions (Meters)

Length: N/A

Width: N/A

Height: N/A

Warp Unit Dimensions (Meters)

Length: 14.81m

Width: 2.83m

Height: 8.32m

Displacement (Metric Tons)

Light: 10,488m

Standard: 4,958m

Full Load: 158,470m

Impulse:

Impulse Unit: 2 Over Unit (HF/USE/S-WD)

Impulse Engine Output: 56×10^{14} W

Impulse Power Index: 35

Max Cruising:

Acceleration Rate:

0.00-0.25 Impulse: 0.072 sec

0.25-0.50 Impulse: 0.108 sec

0.50-0.75 Impulse: 0.144 sec

0.75-Full Impulse: 0.80 sec

Warp (Units): Nuclear Unit (SW5211-SEB)

Warp Engine Output: 6.00×10^{14} W

Warp Power Index: 0.70

Optimum Speed: Warp 1

Max Safe Cruising: Warp 5

Emergency Speed: Warp

Max Speed: Warp 8

Decelerative Speed: Warp 6.4

Acceleration Power: 0

Acceleration Time:

Warp 1: Warp 2: 207 sec

Warp 2: Warp 3: 84 sec

Warp 3: Warp 4: 40 sec

Warp 4: Warp 5: 14 sec

Warp 5: Warp 6: 4 sec

Warp 6: Warp 7: 407 sec

Warp 7: Warp 8: 20 sec

Warp 8: Warp 9: 5 sec

Warp 9: Warp 10: 795 sec

Warp 0.5: Warp 0.75: 4 sec

Warp 0.75: Warp 0.9: 20.3 sec

Dimensions (Total)

Standard: 40m

Maximum: 74.1m

Std. Ship Complement: 443

Officers: 7

Crew (Ensign Grade): 35

Troops:

Passengers: 36

Emergency condition: +502

Medical Facilities:

Doctors: 1

Nurses: 16

Operating Rooms: 2

Beds: 6

Laboratories: 4

Temporary Total: 10

1 Person: 0

2 Person: 0

3 Person: 4

12 Person: 0

22 Person: 4

Small Cargo: 1

Medium Cargo:

Large Cargo: 0

Super Cargo: 0

Bridge

Navigation: 4

Isolation: 2

View Capacity: 1.4m

Max Range: 4.2m

Gauge Specifications:

Standard: 100 Units 200

Large Capacity: 100

Shuttlecraft Specifications:

Docking Ports:

Shuttlecraft Bays Total: 1

Small Bay:

Medium Bay: 1

Large Bay: 1

Super Bay: 0

Shuttlecraft Standard: 20

Work Bays:

Travel Pods: 2

Aquatic Shuttle: 2

Light Shuttle: 1

Standard Shuttle: 5

Survey Shuttle: 5

Heavy Shuttle:

Cargo Shuttle: 1

Armored Shuttle: 1

Killer Bots: 2

Fighter:

Lifboats: 45

Turbolift (8 persons): 25

Lifboat (10 persons): 0

Lifboat (20 persons): 5

Lifboat (30 persons): 0

Climbing Devices:

Staircase: 100

Plasma Survey: 7579

Strider Survey: 2.31

Short Range: 3359

Long Range: 5234

Navigation: 5992

Special: (66)

Communications:

Type: 100m Duplex: 114

Type: 100m Duplex: 114

ECM Index: 1.76

Shield Rating:

Shield Index: 1.14

Shield Power: 2.76×10^{17} W

Shield Rate: 10×10^{10} W

Breakdown Rate: 1.4×10^{10} W

Shield Dimensions (Meters)

Length: 0.58m

Width: 1.0m

Height: 52.94m

Weapons:

Photon Power Index: 1.150

Photon Power Index: 0.00

Photon Power Index: 0.505

Weapon Placement:

Beam (Phasers) Total: 6 banks 2 each

Output: 5.0×10^{10} W 2.5×10^{10} W

Range: 10×10^3 km

Rate of Fire: 10 rpm Cont

Forward Banks: 2

Rear Banks: 0

Port Banks: 2

Starboard Banks: 2

Upper Banks: 0

Lower Banks: 0

Beam (Megaphasers) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

FEDERATION VESSEL

EXPLORATION CRUISER



PULSON BARR

DEFLECTOR GEAR

REACTION CONTROL
THRUSTERS

TOP PROFILE

NAVIGATIONAL
DEFLECTOR AND
SENSOR ARRAY (3)

MAIN ENGINE (2)

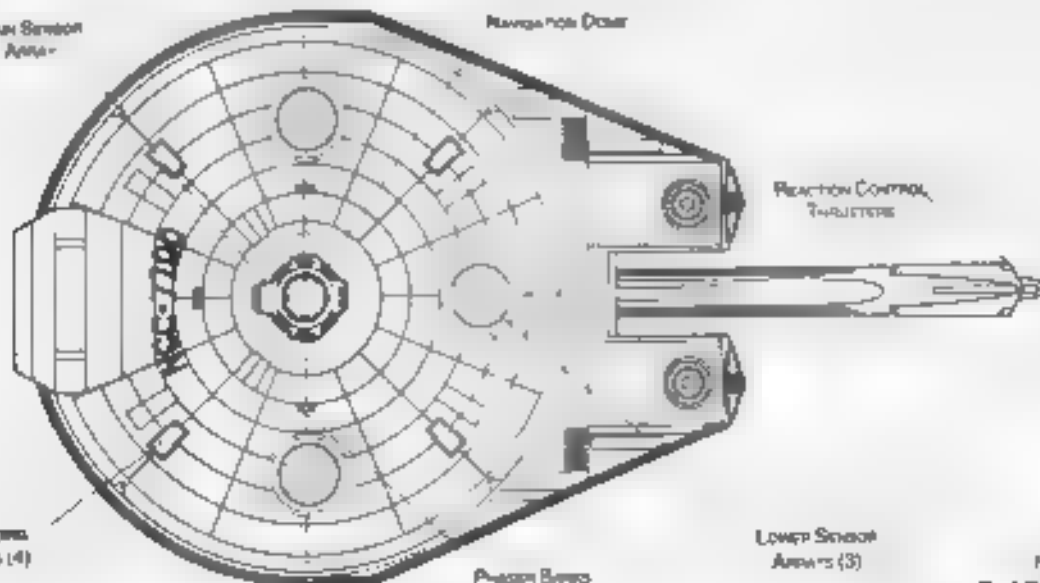
LANDING BAY
DOORS

FRONT PROFILE

REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION DECK

REACTION CONTROL
THRUSTERSLANDING
PADS (4)

PULSON BARR

LOWER SENSOR
ARRAYS (3)

BOTTOM PROFILE

METERS
0 10 20 30 40 50



Ship Names

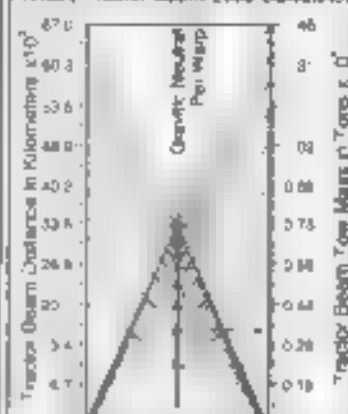
[illegible]

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100

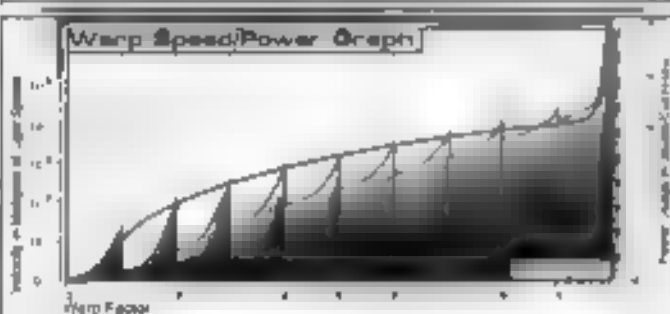
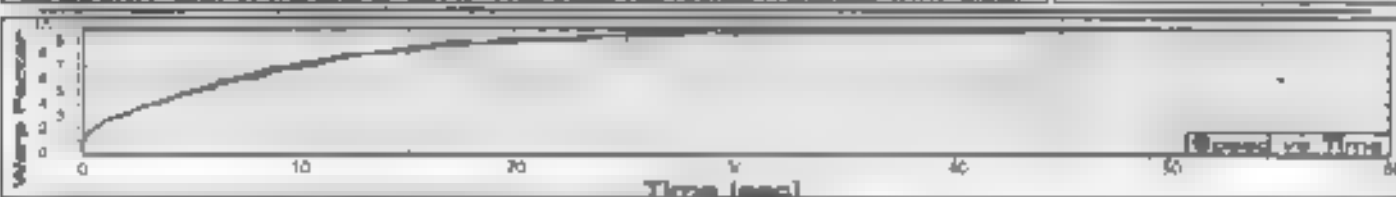
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Tractor Beam Specifications

Primary factor Beam load (slightly)



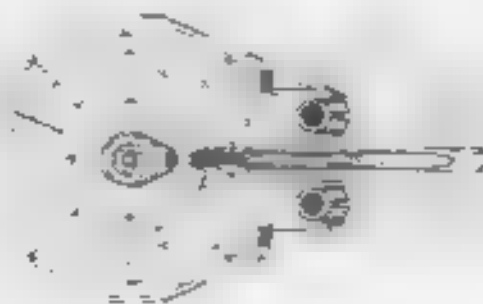
CLASSE SHIP. 'LOST IN THE LINE OF DUTY. 'TYPEONES. ALL NAMES REGISTERED WITH 'L.A.S.'.



Printed: Lantham, 22.50 22.50
 Printed: Lantham, 22.50 22.50
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Front Warp Field Profile
Gross Screen Area: 120x5.00 m²

Port: Warp Field Profile
Open: Matter Area 3810-00 []

Top Warp Field Profile
Cross Section Area 28418.18 m²

WARP FIELDS

SAM2 04:05:01:04

STARFLEET REFERENCE MANUAL

GREGORY CLASS

FF-3-FAT-DM-VESSEL

RESEARCH VESSEL



General Information

Specific Role: The Research Vessel is a small efficient starship used for intensive research. Additional band width sensors and extensive research laboratories throughout the vessel give it a comprehensive research platform. Despite this vessel's small size, its contributions to the research community have earned it a highly respectable reputation.

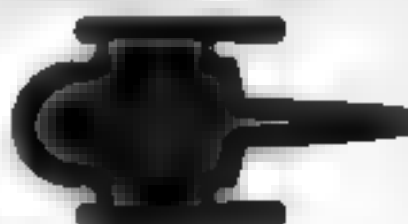
Physical Description: The (SH103 R1-4) ship is equipped with additional research systems and laboratories. The vessel is equipped with a (RF5 R1-5) bridge which incorporates additional research instrumentation. On the lower part of the hull is the (SM15 5D) main sensor array and (DN2 3D) navigational dome. Positioned forward of the bridge is a (BP2/30 2C) phaser bank. At the rear of the primary hull are (ISR 0F 3 LR) dual impulse engines which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SL38/1 2L) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20/1 2D) intermix chamber. Installed to the rear of the hull are the (AM3 5 2A) matter/antimatter storage tanks for emergency jettisoning. On the front of the hull is a small hangar deck. Slung underneath the primary hull by two (X1 3L 15G) connecting dorsals is a (SE 53 R 02) secondary hull. The secondary hull is primarily used for research and contains most of the vessel's sensors and research facilities. On the lower front of the secondary hull is the (SM1 25U 1 0) primary sensor array. Facing rearward on the secondary hull is a (SM1 74 4G) secondary sensor array. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 13144.35 m²



Top Silhouette
Area 7703.18 m²



Port Silhouette
Area 3509.4 m²

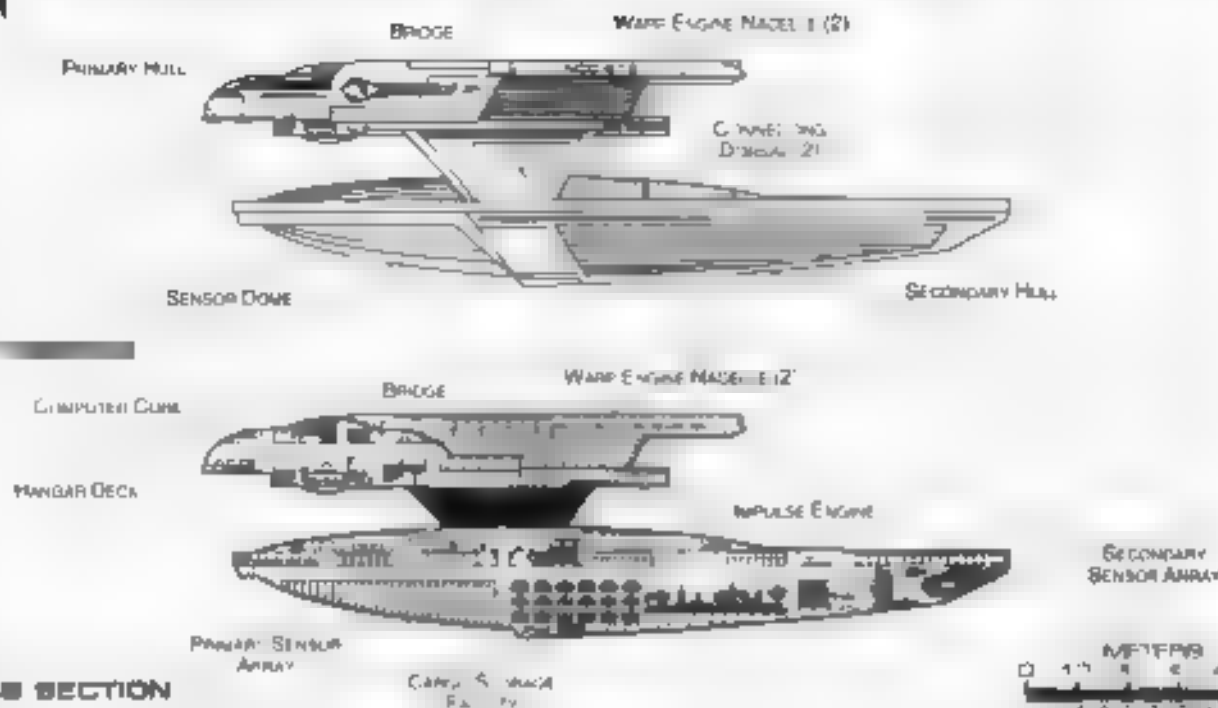


Front Silhouette
Area 1491.50 m²



RESEARCH VESSEL

OBERTH CLASS



Statistics

Classification: Research Vessel

Category: Research Vessel

Class: Research

Type: Research

Model: VR-1

Naval Construction Contract: 400

Number Proposed: 14

Number Constructed: 96

Number in Service: 44

Number Lost: 2

Dimensions:

Overall Dimensions (Meters)

Length: 44.1m

Width: 37.9m

Height: 44.1m

Primary Hull Dimensions (Meters)

Length: 44.1m

Width: 37.9m

Height: 44.1m

Secondary Hull Dimensions (Meters)

Length: 57.2m

Width: 37.9m

Height: 27.2m

Warp Unit Dimensions (Meters)

Length: 8.1m

Width: 10.0m

Height: 2.1m

Displacement (Metric Tons)

Light: 17,439m

Standard: 40,1m

Full Load: 44,776m

Performance:

Impulse Drive: Dual Jet (SR-0E 3-04)

Impulse Engine Output: 6.0K10¹¹ W

Impulse Power Index: 4.82

Max Cruising:

Acceleration Rate:

0.00-0.25 Impulse: 0.162 sec

0.25-0.50 Impulse: 0.244 sec

0.50-0.75 Impulse: 0.325 sec

0.75 Full Impulse: 0.406 sec

Warp Units: 2 Nozzle (SR-0E 3-04)

Warp Engine Output: 32x10¹⁴ W

Warp Power Index: 0.79

Optimum Speed: Warp 4

Max Safe Cruising: Warp 4

Emergency Speed: Warp 4

Max Speed: Warp 4

Destructive Speed: Warp 4.4

Acceleration Power:

Acceleration Time:

Warp 1 Warp 2 1.54 sec

Warp 2 Warp 3 4.0 sec

Warp 3 Warp 4 1.0 sec

Warp 4 Warp 5 1.0 sec

Warp 5 Warp 6 1.0 sec

Warp 6 Warp 7 1.0 sec

Warp 7 Warp 8 4.0 sec

Warp 8 Warp 9 4.0 sec

Warp 9 Warp 10 4.0 sec

Warp 10 Warp 11 4.0 sec

Warp 11 Warp 12 4.0 sec

Warp 12 Warp 13 4.0 sec

Warp 13 Warp 14 4.0 sec

Warp 14 Warp 15 4.0 sec

Warp 15 Warp 16 4.0 sec

Warp 16 Warp 17 4.0 sec

Warp 17 Warp 18 4.0 sec

Warp 18 Warp 19 4.0 sec

Warp 19 Warp 20 4.0 sec

Warp 20 Warp 21 4.0 sec

Warp 21 Warp 22 4.0 sec

Warp 22 Warp 23 4.0 sec

Warp 23 Warp 24 4.0 sec

Warp 24 Warp 25 4.0 sec

Warp 25 Warp 26 4.0 sec

Warp 26 Warp 27 4.0 sec

Warp 27 Warp 28 4.0 sec

Warp 28 Warp 29 4.0 sec

Warp 29 Warp 30 4.0 sec

Warp 30 Warp 31 4.0 sec

Warp 31 Warp 32 4.0 sec

Warp 32 Warp 33 4.0 sec

Warp 33 Warp 34 4.0 sec

Warp 34 Warp 35 4.0 sec

Warp 35 Warp 36 4.0 sec

Warp 36 Warp 37 4.0 sec

Warp 37 Warp 38 4.0 sec

Warp 38 Warp 39 4.0 sec

Warp 39 Warp 40 4.0 sec

Warp 40 Warp 41 4.0 sec

Warp 41 Warp 42 4.0 sec

Warp 42 Warp 43 4.0 sec

Warp 43 Warp 44 4.0 sec

Warp 44 Warp 45 4.0 sec

Range:

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SRM Index: 7.80

Shield Rating:

Shield Index: 1.67

Shield Power: 2.75x10¹⁰ W

Refresh Rate: 4.0x10¹¹ W

Breakdown Rate: 4.0x10¹¹ W

Shield Dimensions (Meters)

Length: 19.80m

Width: 9.95m

Height: 9.95m

Weapons:

Photon Power Index: 0.547

Photon Power Index: 0.547

Vessel Power Index: 0.270

Weapon Placement:

Beam (Photon) Total: 1 bank 2 each

Output: 8.0x10¹¹ W 2.5x10¹¹ W

Range: 2.5x10¹¹ W

Rate of Fire: 30 ppm 100 ppm

Forward Banks: 1

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (Photon) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

Lower Bay: 0

Range:

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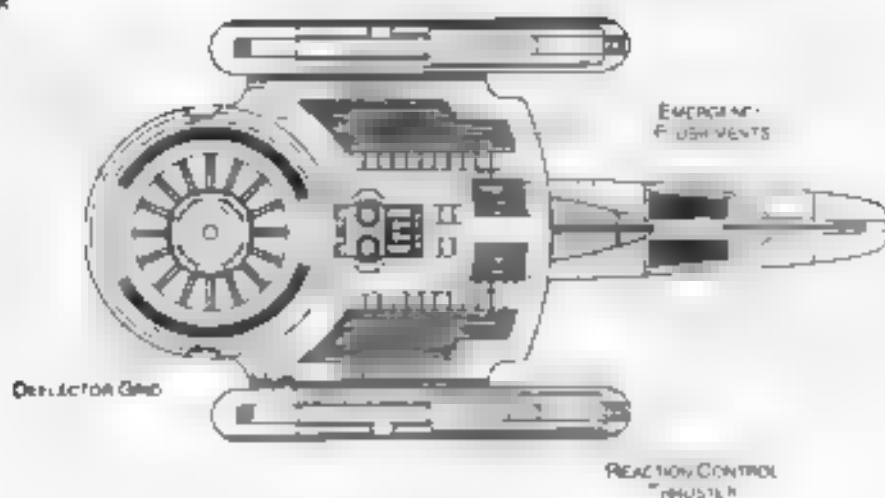
Range:

Range:

RESEARCH VESSEL



PHASER BANK



TOP PROFILE

MAIN DECK

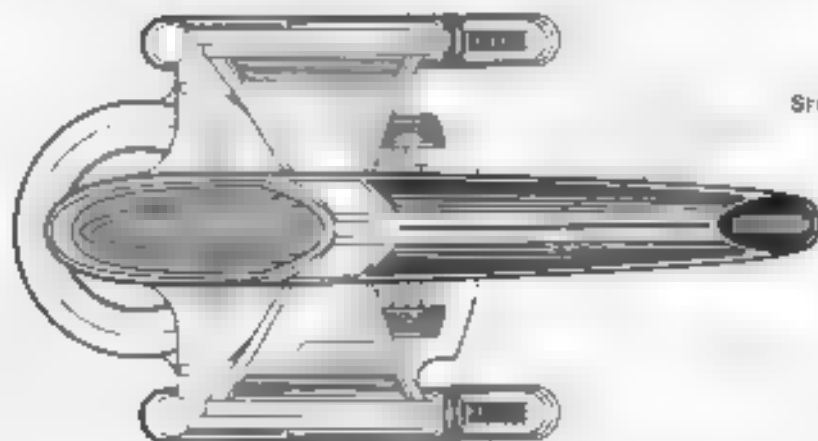


FRONT PROFILE

IMPLANT ENGINES



REAR PROFILE

REAR SENSOR
ARRAYSECONDARY
HULL

BOTTOM PROFILE





RESEARCH VESSEL

Ship Names

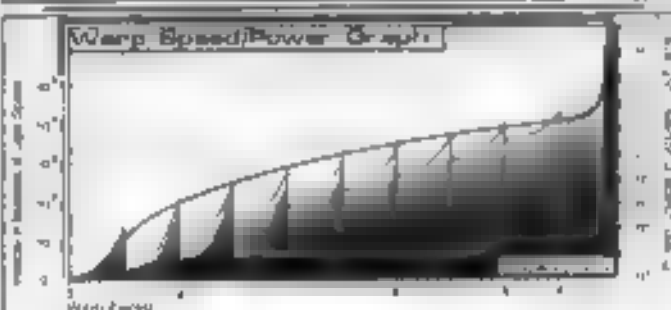
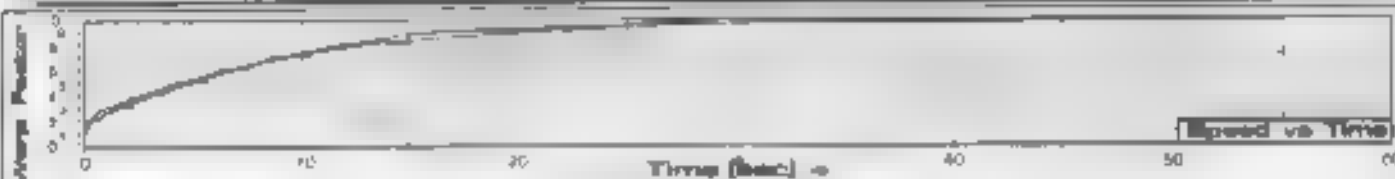
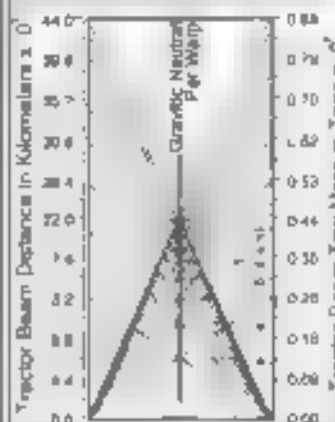
THE FOLLOWING SHIPS OF THE NX V CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2205.2

CAPP NX 01	WARRIOR NX 05	WARRIOR NX 06	WARRIOR NX 07
CO HRANE NX 0018	WARRIOR NX 08	WARRIOR NX 09	WARRIOR NX 10
CO HRANE NX 0019	WARRIOR NX 09	WARRIOR NX 10	WARRIOR NX 11
CO HRANE NX 0020	WARRIOR NX 10	WARRIOR NX 11	WARRIOR NX 12
CO HRANE NX 0021	WARRIOR NX 11	WARRIOR NX 12	WARRIOR NX 13
CO HRANE NX 0022	WARRIOR NX 12	WARRIOR NX 13	WARRIOR NX 14
CO HRANE NX 0023	WARRIOR NX 13	WARRIOR NX 14	WARRIOR NX 15
CO HRANE NX 0024	WARRIOR NX 14	WARRIOR NX 15	WARRIOR NX 16
CO HRANE NX 0025	WARRIOR NX 15	WARRIOR NX 16	WARRIOR NX 17
CO HRANE NX 0026	WARRIOR NX 16	WARRIOR NX 17	WARRIOR NX 18
CO HRANE NX 0027	WARRIOR NX 17	WARRIOR NX 18	WARRIOR NX 19
CO HRANE NX 0028	WARRIOR NX 18	WARRIOR NX 19	WARRIOR NX 20
CO HRANE NX 0029	WARRIOR NX 19	WARRIOR NX 20	WARRIOR NX 21
CO HRANE NX 0030	WARRIOR NX 20	WARRIOR NX 21	WARRIOR NX 22
CO HRANE NX 0031	WARRIOR NX 21	WARRIOR NX 22	WARRIOR NX 23
CO HRANE NX 0032	WARRIOR NX 22	WARRIOR NX 23	WARRIOR NX 24
CO HRANE NX 0033	WARRIOR NX 23	WARRIOR NX 24	WARRIOR NX 25
CO HRANE NX 0034	WARRIOR NX 24	WARRIOR NX 25	WARRIOR NX 26
CO HRANE NX 0035	WARRIOR NX 25	WARRIOR NX 26	WARRIOR NX 27
CO HRANE NX 0036	WARRIOR NX 26	WARRIOR NX 27	WARRIOR NX 28
CO HRANE NX 0037	WARRIOR NX 27	WARRIOR NX 28	WARRIOR NX 29
CO HRANE NX 0038	WARRIOR NX 28	WARRIOR NX 29	WARRIOR NX 30
CO HRANE NX 0039	WARRIOR NX 29	WARRIOR NX 30	WARRIOR NX 31
CO HRANE NX 0040	WARRIOR NX 30	WARRIOR NX 31	WARRIOR NX 32
CO HRANE NX 0041	WARRIOR NX 31	WARRIOR NX 32	WARRIOR NX 33
CO HRANE NX 0042	WARRIOR NX 32	WARRIOR NX 33	WARRIOR NX 34
CO HRANE NX 0043	WARRIOR NX 33	WARRIOR NX 34	WARRIOR NX 35
CO HRANE NX 0044	WARRIOR NX 34	WARRIOR NX 35	WARRIOR NX 36
CO HRANE NX 0045	WARRIOR NX 35	WARRIOR NX 36	WARRIOR NX 37
CO HRANE NX 0046	WARRIOR NX 36	WARRIOR NX 37	WARRIOR NX 38
CO HRANE NX 0047	WARRIOR NX 37	WARRIOR NX 38	WARRIOR NX 39
CO HRANE NX 0048	WARRIOR NX 38	WARRIOR NX 39	WARRIOR NX 40
CO HRANE NX 0049	WARRIOR NX 39	WARRIOR NX 40	WARRIOR NX 41
CO HRANE NX 0050	WARRIOR NX 40	WARRIOR NX 41	WARRIOR NX 42
CO HRANE NX 0051	WARRIOR NX 41	WARRIOR NX 42	WARRIOR NX 43
CO HRANE NX 0052	WARRIOR NX 42	WARRIOR NX 43	WARRIOR NX 44
CO HRANE NX 0053	WARRIOR NX 43	WARRIOR NX 44	WARRIOR NX 45
CO HRANE NX 0054	WARRIOR NX 44	WARRIOR NX 45	WARRIOR NX 46
CO HRANE NX 0055	WARRIOR NX 45	WARRIOR NX 46	WARRIOR NX 47
CO HRANE NX 0056	WARRIOR NX 46	WARRIOR NX 47	WARRIOR NX 48
CO HRANE NX 0057	WARRIOR NX 47	WARRIOR NX 48	WARRIOR NX 49
CO HRANE NX 0058	WARRIOR NX 48	WARRIOR NX 49	WARRIOR NX 50
CO HRANE NX 0059	WARRIOR NX 49	WARRIOR NX 50	WARRIOR NX 51
CO HRANE NX 0060	WARRIOR NX 50	WARRIOR NX 51	WARRIOR NX 52
CO HRANE NX 0061	WARRIOR NX 51	WARRIOR NX 52	WARRIOR NX 53
CO HRANE NX 0062	WARRIOR NX 52	WARRIOR NX 53	WARRIOR NX 54
CO HRANE NX 0063	WARRIOR NX 53	WARRIOR NX 54	WARRIOR NX 55
CO HRANE NX 0064	WARRIOR NX 54	WARRIOR NX 55	WARRIOR NX 56
CO HRANE NX 0065	WARRIOR NX 55	WARRIOR NX 56	WARRIOR NX 57
CO HRANE NX 0066	WARRIOR NX 56	WARRIOR NX 57	WARRIOR NX 58
CO HRANE NX 0067	WARRIOR NX 57	WARRIOR NX 58	WARRIOR NX 59
CO HRANE NX 0068	WARRIOR NX 58	WARRIOR NX 59	WARRIOR NX 60
CO HRANE NX 0069	WARRIOR NX 59	WARRIOR NX 60	WARRIOR NX 61
CO HRANE NX 0070	WARRIOR NX 60	WARRIOR NX 61	WARRIOR NX 62
CO HRANE NX 0071	WARRIOR NX 61	WARRIOR NX 62	WARRIOR NX 63
CO HRANE NX 0072	WARRIOR NX 62	WARRIOR NX 63	WARRIOR NX 64
CO HRANE NX 0073	WARRIOR NX 63	WARRIOR NX 64	WARRIOR NX 65
CO HRANE NX 0074	WARRIOR NX 64	WARRIOR NX 65	WARRIOR NX 66
CO HRANE NX 0075	WARRIOR NX 65	WARRIOR NX 66	WARRIOR NX 67
CO HRANE NX 0076	WARRIOR NX 66	WARRIOR NX 67	WARRIOR NX 68
CO HRANE NX 0077	WARRIOR NX 67	WARRIOR NX 68	WARRIOR NX 69
CO HRANE NX 0078	WARRIOR NX 68	WARRIOR NX 69	WARRIOR NX 70
CO HRANE NX 0079	WARRIOR NX 69	WARRIOR NX 70	WARRIOR NX 71
CO HRANE NX 0080	WARRIOR NX 70	WARRIOR NX 71	WARRIOR NX 72
CO HRANE NX 0081	WARRIOR NX 71	WARRIOR NX 72	WARRIOR NX 73
CO HRANE NX 0082	WARRIOR NX 72	WARRIOR NX 73	WARRIOR NX 74
CO HRANE NX 0083	WARRIOR NX 73	WARRIOR NX 74	WARRIOR NX 75
CO HRANE NX 0084	WARRIOR NX 74	WARRIOR NX 75	WARRIOR NX 76
CO HRANE NX 0085	WARRIOR NX 75	WARRIOR NX 76	WARRIOR NX 77
CO HRANE NX 0086	WARRIOR NX 76	WARRIOR NX 77	WARRIOR NX 78
CO HRANE NX 0087	WARRIOR NX 77	WARRIOR NX 78	WARRIOR NX 79
CO HRANE NX 0088	WARRIOR NX 78	WARRIOR NX 79	WARRIOR NX 80
CO HRANE NX 0089	WARRIOR NX 79	WARRIOR NX 80	WARRIOR NX 81
CO HRANE NX 0090	WARRIOR NX 80	WARRIOR NX 81	WARRIOR NX 82
CO HRANE NX 0091	WARRIOR NX 81	WARRIOR NX 82	WARRIOR NX 83
CO HRANE NX 0092	WARRIOR NX 82	WARRIOR NX 83	WARRIOR NX 84
CO HRANE NX 0093	WARRIOR NX 83	WARRIOR NX 84	WARRIOR NX 85
CO HRANE NX 0094	WARRIOR NX 84	WARRIOR NX 85	WARRIOR NX 86
CO HRANE NX 0095	WARRIOR NX 85	WARRIOR NX 86	WARRIOR NX 87
CO HRANE NX 0096	WARRIOR NX 86	WARRIOR NX 87	WARRIOR NX 88
CO HRANE NX 0097	WARRIOR NX 87	WARRIOR NX 88	WARRIOR NX 89
CO HRANE NX 0098	WARRIOR NX 88	WARRIOR NX 89	WARRIOR NX 90
CO HRANE NX 0099	WARRIOR NX 89	WARRIOR NX 90	WARRIOR NX 91
CO HRANE NX 0100	WARRIOR NX 90	WARRIOR NX 91	WARRIOR NX 92

ALL SHIPS OF THE NX V CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2205.2

Tractor Beam Specifications

Primary Tractor Beam Load Calculator



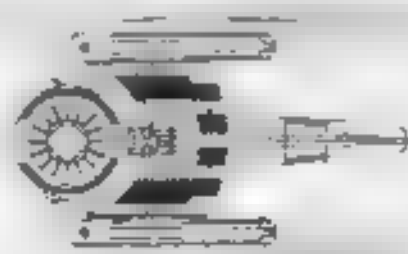
Field Length: 4000.0 km
Field Width: 1.0 km
Field Height: 700.0 km



Front Warp Field Profile
Cross Section Area 7808.32 m²



Port Warp Field Profile
Cross Section Area 69018.78 m²



Top Warp Field Profile
Cross Section Area 40007.00 m²

WARP FIELDS

SRM2 04:05:02:04

STARFLEET REFERENCE MANUAL

OBERTH CLASS

FEDERATION VESSEL

STAR CRUISER



General Information

Specific Role: The Star Cruiser is a long range exploration research vessel. This vessel is equipped with six multipurpose research bays that allow various experiments and sensors to be exposed to space. The Star Cruiser is able to maintain sustained warp speeds for extended periods of time through the use of four warp nacelles which phase-shift through a rotating pairs to reduce the stress to any one engine. The additional engines and redundant equipment allow the cruiser to explore areas away from Federation space where assistance may not be immediately available.

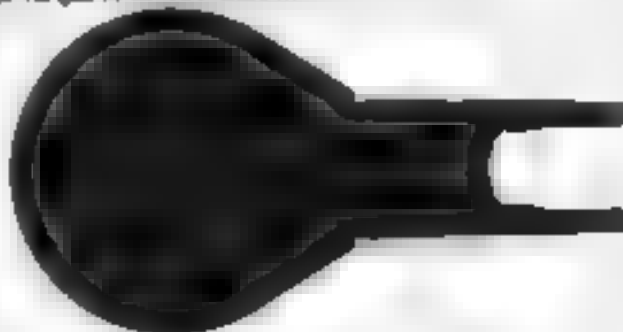
Physical Description: The Star Cruiser's extra thick (XTM1147/F M1) hull uses elements from standard primary hull designs and is equipped with additional research systems and laboratories. Integrated into the standard deflector grid are additional electronic counter measures to make the vessel more stealthy. The hull is equipped with the (BS14 S D1) bridge which incorporates the enhanced sensor and scientific stations. On the lower part of the primary hull is the (SM54/4K) main sensor array and (JNG V) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (BP2/30-2C) phaser banks. To the front of the primary hull both port and starboard are two (HP2-22-2C) heavy phaser banks. Incorporated into the main support pylons are forward and rear (HP1-1/50-10E) photon torpedo tubes. On the lower forward section of the primary hull are (JNG/A 4) navigational deflectors which assist the navigational shields in deflecting oncoming debris. In the front of the primary hull is a medium hangar deck. Around the primary hull are six multipurpose research bays. To the rear of the hull are two (GRF35E/5 TH) dual impulse units which are used for auxiliary power and slow warp propulsion. The cruiser's warp fields are generated by four (SW52/1-5KT) warp nacelles attached in pairs. Each set is attached to the primary hull via a (307) support pylons. Inside the pylons is the (M1H/12-2k) internal chamber. To the rear of the hull are the (AMX-58-75k) matter and antimatter storage tanks which allow for emergency jettisoning. In the event of an emergency the primary hull can separate from one or more of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



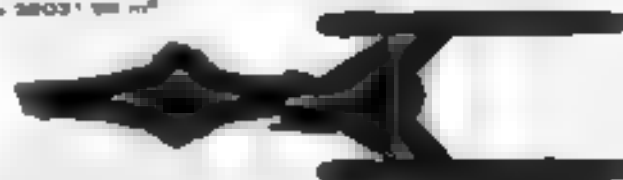
Ship Silhouettes

Total Target Area: 48718.08 m²



Top Silhouette

Area: 28031.98 m²



Port Silhouette

Area: 11707.78 m²

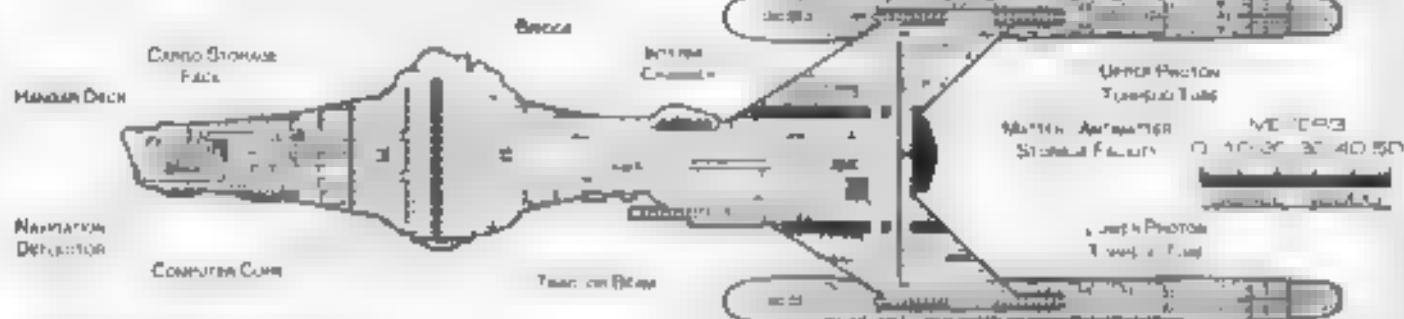


Front Silhouette

Area: 3576.78 m²



CONSTELLATION CLASS



GROSS SECTION

Statistics

ECM Index: 25
Shield Rating:
Shield Index: 0.02
Shield Power: 3.4x10² W
Shield Rate: 0.01 W
Breakdown Rate: 1.2x10² W
Shield Dimensions (Meters):
Length: 100 m
Width: 100 m
Height: 100 m

Weapons:
Power Power Index: 1.43
Photon Power Index: 0.0
Vessel Power Index: 2.0
Weapon Modifiers:
Beam (Phasers) Total: 8 banks 2 each
Output: 5.0x10² W 2.5x10² W
Range: 2.5x10³ km
Rate of Fire: 100 ppm Cont
Forward Banks: 2
Rear Banks: 0
Port Banks: 2
Starboard Banks: 2
Upper Banks: 0
Lower Banks: 1
Beam (Dry Phasers) Total: 2 banks 2 each
Output: 1.2x10² W 6.5x10² W
Range: 8.0x10³ km
Rate of Fire: 10 ppm Cont
Forward/Rear Banks: 0
Port/Starboard Banks: 2
Upper/Lower Banks: 0
Torpedoes (Photons) Total: 2 Bay 2 each
Stock: 0
Range: 2.0x10³ km
Output: 10-50 Megatons
Rate of Fire: 10 ppm
Forward Bay: 2
Rear Bay: 2
Port Bay: 0
Starboard Bay: 0
Upper Bay: 0
Lower Bay: 0

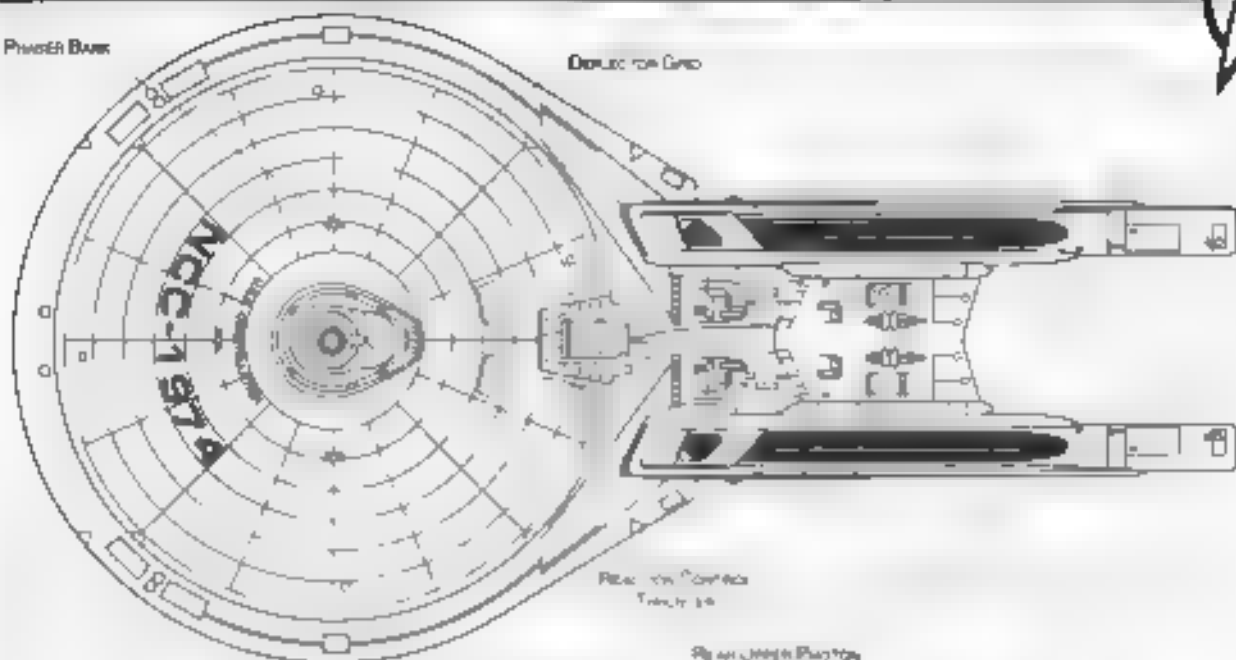
FEDERATION VESSEL

STAR CRUISER



PHOTON BANK

DEFLECTOR GRID



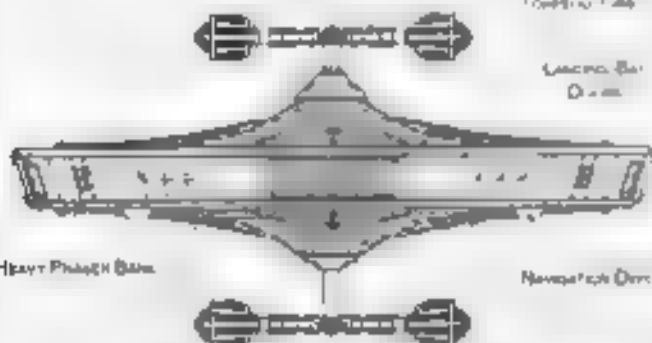
TOP PROFILE

FORWARD LOWER PHOTON TUNNEL TUBE

REAR LOWER PHOTON TUNNEL TUBE

LANDING BAY DECK

STARBOARD ENGINE

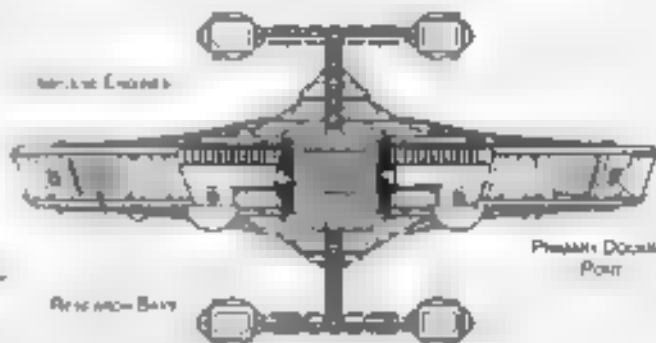


HEAVY PHOTON BANK

NAVIGATION DECK

REAR HATCH BAY

PRIMARY DOCKING POINT



FRONT PROFILE

FORWARD LOWER PHOTON TUNNEL TUBE

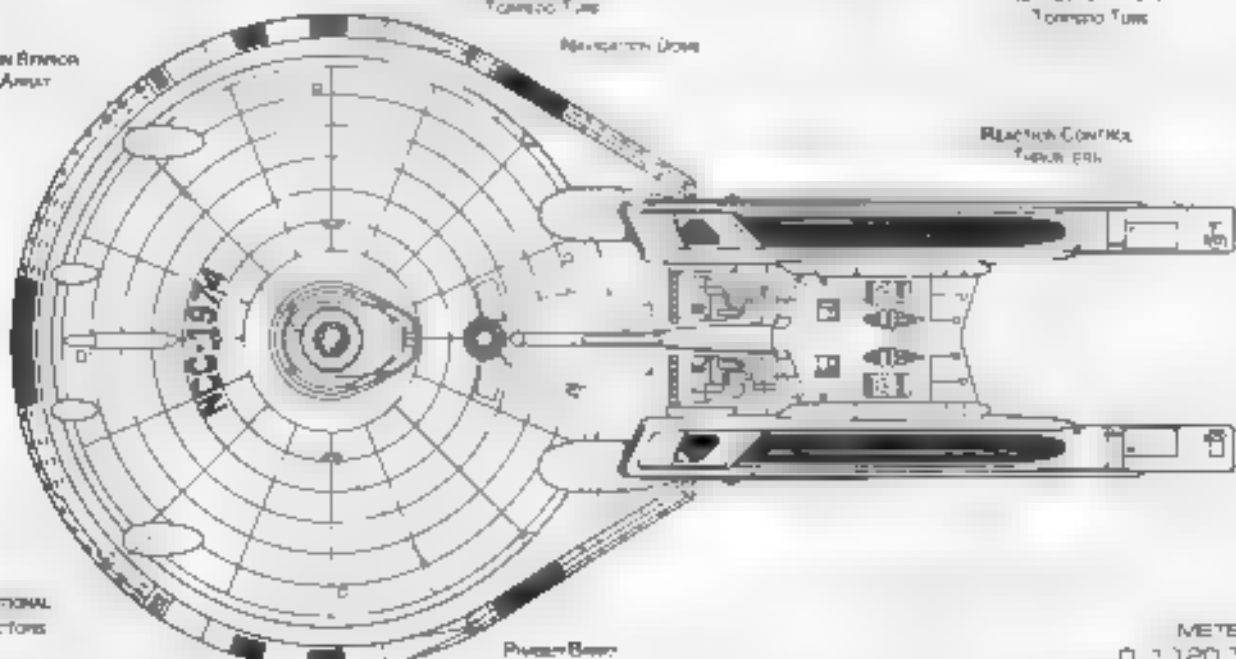
REAR PROFILE

REAR LOWER PHOTON TUNNEL TUBE

MAIN BRIDGE AREA

NAVIGATION DECK

REACTION CONTROL TUBULAR GRID



NAVIGATIONAL DEFLECTORS

PHOTON BANK

BOTTOM PROFILE

METERS
0 120 36 40 50





Ship Names

THE FOLLOWING SHIPS OF THE MK XXVI CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2295.1

CONSTELLATION AC 374
SE YSHIOL AC 3202
HE HAWAY AC 353
TENT STAR AC 337
NEBULAR AC 442
ODAY AC 25850
S ARGENT II NCIC 2843
STARJETS NCIC 2804
VICTOR AC 9754

CLASSE SHIP. TITEL IN THE LINE OF DUTY. "PROVIDED ALL NAMES BEGINNING WITH "U.S.S."

Tractor Beam Specifications

Primary Tractor Beam Load Calculator

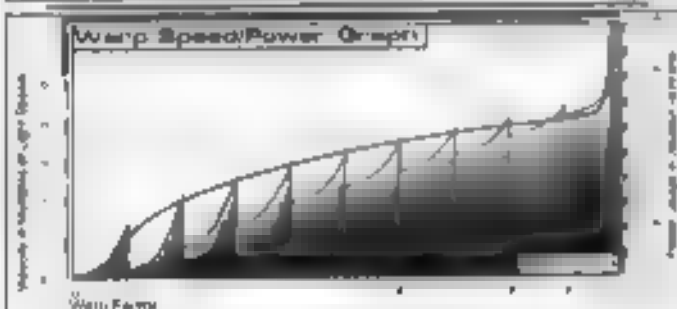
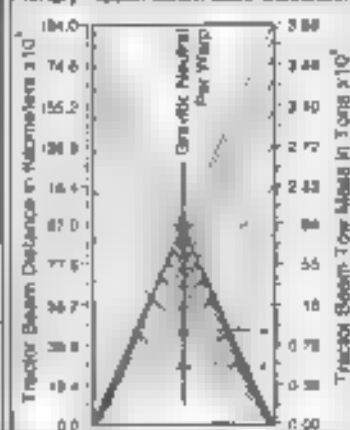
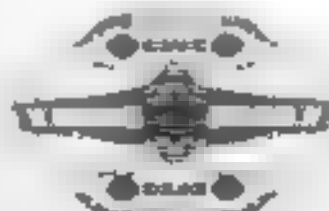


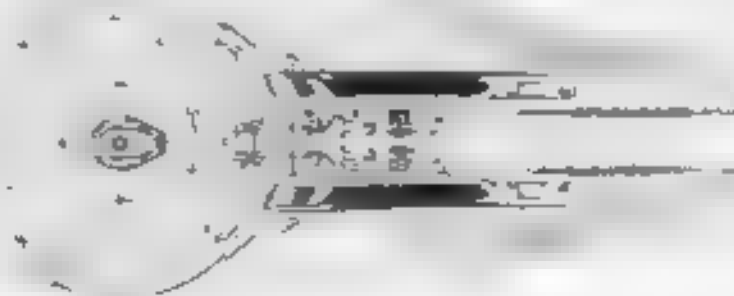
Plate Length: 737.7 dm
Plate Width: 880 dm
Plate Height: 157 dm



Front Warp Field Profile
Cross Section Area 17848.82 m²



Port Warp Field Profile
Cross Section Area 88473.36 m²



Top Warp Field Profile
Cross Section Area 108548.86 m²

WARP FIELDS

SURVEY CRUISER



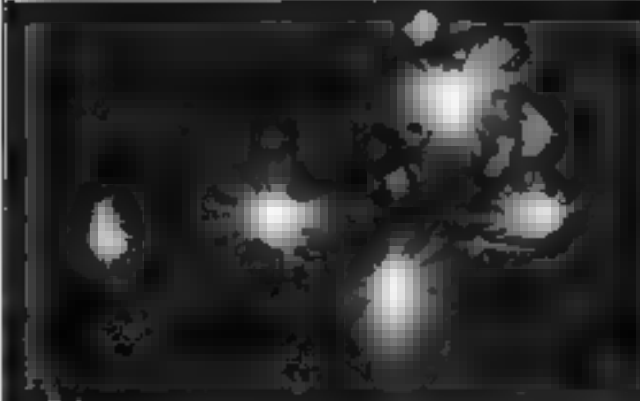
General Information

Specific Role: The Survey Cruiser is designed to explore and study stellar anomalies. Extensive laboratories are located throughout the vessel which gives it a large research base. The vessel is equipped with long range sensor arrays designed for stellar exploration and deep space charting.

Physical Description: The PH8143 REF6 primary hull is equipped with additional research systems and laboratories integrated into the standard deflector grid and are additional electronic counter measures to make the vessel more stealthy. The primary hull is equipped with the (BS12 REF1) Bridge which incorporates the larger sensor and scientific stations. On the lower part of the primary hull is the (SM48 REF) main sensor array and (DN45 REF) navigational dome. On the bottom of the primary hull is the (SM822 REF) lower sensor arrays located on the port starboard bow and stern of the primary hull. Both top and bottom are six (BP27402C) phaser banks. On the lower part of the primary hull are the (DN REF4) navigational deflectors which assist the navigational shields in deflecting incoming debris. On each side of the hull is a medium hangar deck. To the rear of the primary hull are (H REF5 DF) dual impulse units which are used for auxiliary power and sub warp propulsion. The vessel's warp fields are generated by two (SW52/15GG) warp nacelles attached to the upper and lower side of the primary hull by (DU38-34H) support pylons. Running through the hull and connecting dorsals is the (M444H) intermix chamber. The (AM8/38-3G) matter antenna storage tanks are located below the impulse engines for emergency jettisoning. Positioned between the navigational deflectors is a (PB272510G) photon torpedo bay. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem

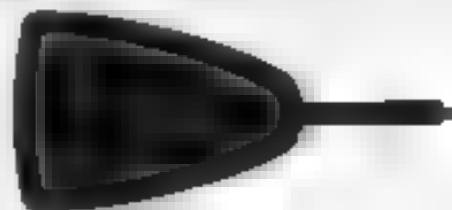
PLEIADES CLASS



SURVEY CRUISER

Ship Silhouettes

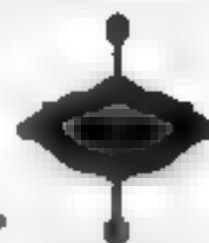
Total Target Area Available: 28 m²



Top Silhouette
Area: 13484.00 m²



Port Silhouette
Area: 11878.80 m²



Front Silhouette
Area: 3525.15 m²



PLEIADES CLASS

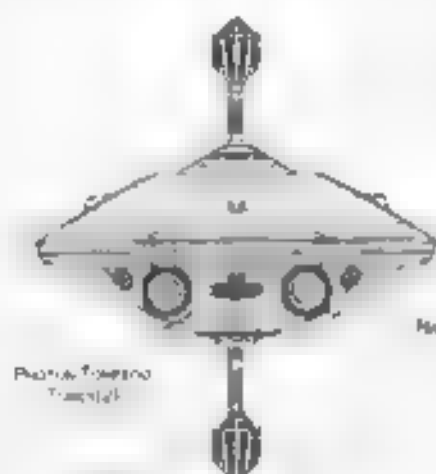
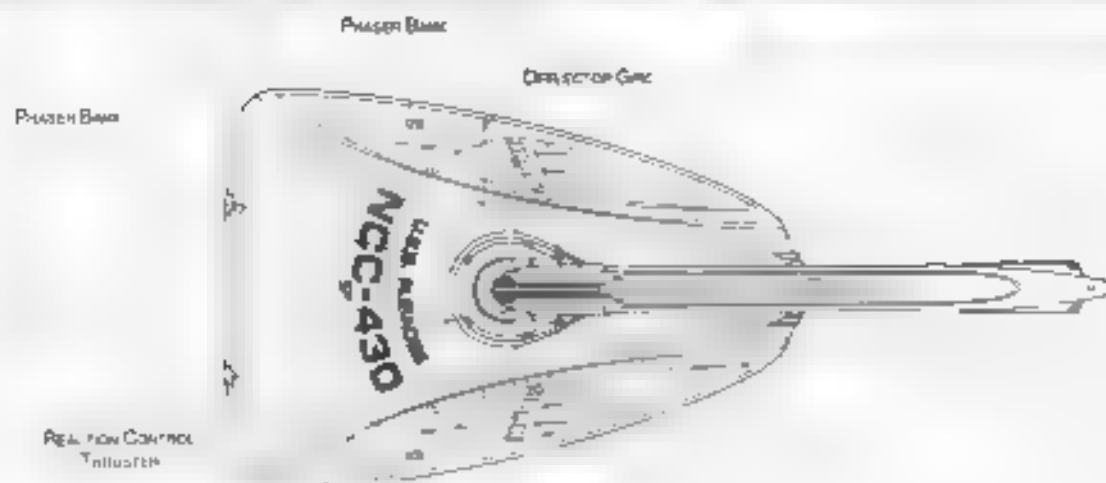


Lowest Bay 0

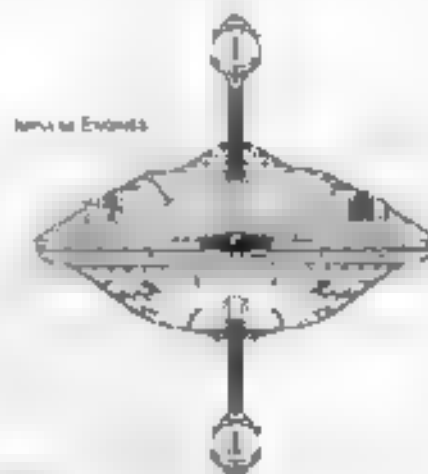
SRM2 04:05:04:02

FEDERATION VESSEL

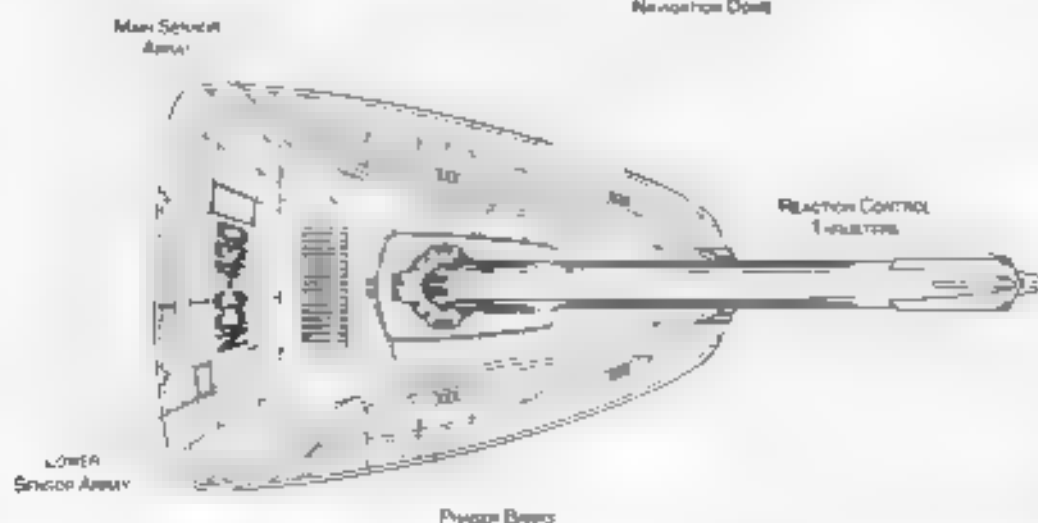
SURVEY CRUISER



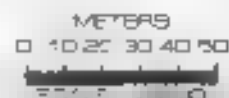
FRONT PROFILE



REAR PROFILE



BOTTOM PROFILE





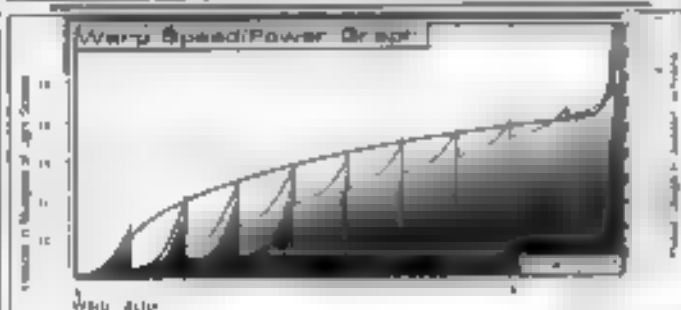
Ship Names

Tractor Beam Specifications

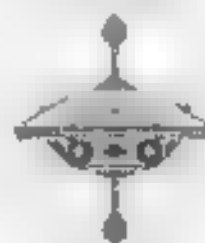
Primary cardiac beam load calculation

$\frac{d}{dt} \left(\frac{1}{2} m v^2 \right) = \frac{d}{dt} \left(\frac{1}{2} m \dot{x}^2 + \frac{1}{2} m \dot{y}^2 + \frac{1}{2} m \dot{z}^2 \right)$

TRADE SHIP, LOST IN THE LINE OF DUTY. PROPOSED ALL NAMES PREFIXED WITH M.I.B.



Frank Langford 1974-80
 Frank Wright 1981-87
 Steve Pearson 1988-93



Front Warp Field Profile
Cross Section Area: 1.00 ± 4.50 cm²

Port Wasp Field Profile
 Gross Section Area 74271.04 m²

Top Warp Field Profile
Cross Section Area 80589.84 m²

WARP FIELDS

5RM2 04:05:04:04

ANNUAL

FEDERATION VESSEL

TIMESLIP CRUISER

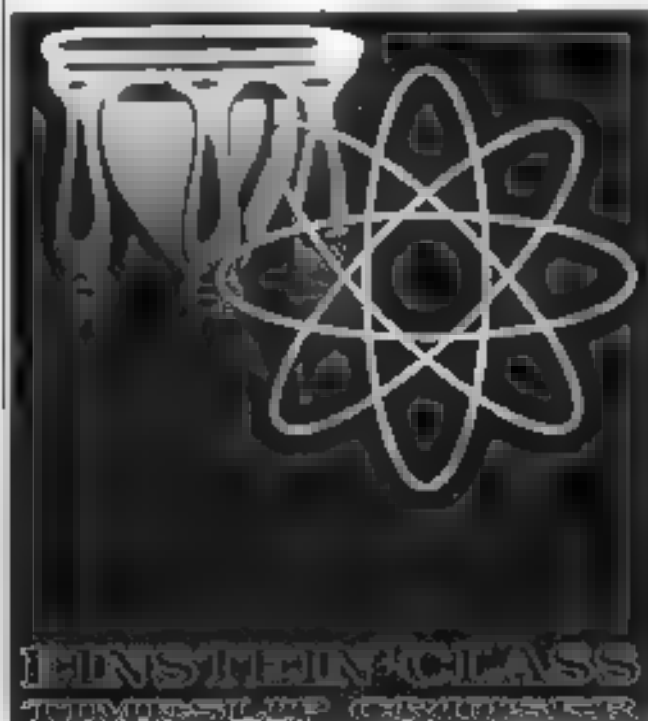


General Information

Specific Role: The Timeslip Cruiser is a space-time exploration vessel. The cruiser is equipped with two physically isolated warp nacelles. This configuration causes a ripple (an extremely unstable warp) into inside of a stable warp field in the space-time continuum. With precise calculations the cruiser is able to regulate this imbalance and skip into another time frame. The existence of a time traveling vessel is held secret by Starfleet, while used for research many feel that the knowledge gained does not out-weigh the dangers of altering time. To help conceal the existence of the Timeslip Cruiser, the naval construction contract numbers are included as part of the Anderson Class Heavy Scout NCC classings.

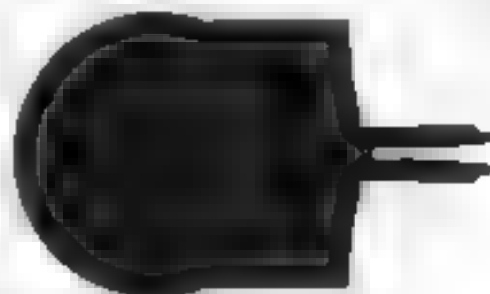
Physical Description: The Timeslip Cruiser uses an extended (PHR 47 KM) primary hull and is equipped with extensive research systems and laboratories. Integrated into the standard deflector grid are additional electromagnetic defibrators to make the vessel more stealthy. The primary hull is equipped with a (HS 5-4 T) image which contains special space-time manipulation instrumentation. On the lower part of the primary hull is the (SMH 1-6) main sensor array and (DN4-1 G) navigational dome. Located on the port starboard and bow of the primary hull (both top and bottom) are six (4P2-10-2C) phaser banks. Port and starboard on the upper primary hull forward on the raised extension are two (DN2-6-4 Z) navigational deflector used to assist the navigational studies in detecting upcoming debris. Two main bridge decks are located starboard of the impulse engines in the rear of the primary hull. Port of the impulse engines is a sensitive (LAA-R) (HAW) infrared communications array for communication with research away teams. On the rear of the primary hull are (TMRH-4-FN) dual impulse rails which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SB-52-1-5B) warp nacelles mounted on the upper side of the primary hull with 40 (SB) non conducting support pylons. In the rear of the hull are the (MX-10-4-2Z) antimatter exchange and (AMR-52-4D) matter antimatter storage tanks. The storage tanks are located below the impulse engines for emergency processing. In the event of an emergency the primary hull can separate from one or both of the warp nacelles and powered on the remaining quarter of impulse power.

Class Emblem



Ship Silhouettes

Total Target Area 35487.40 m²



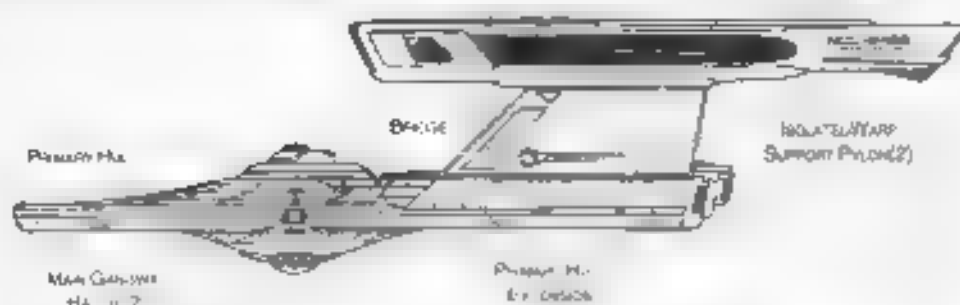
Top Silhouette
Area 8988.79 m²



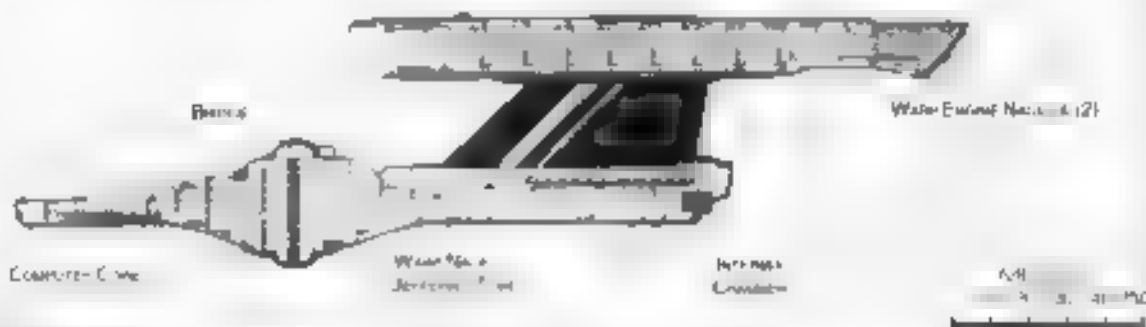
Port Silhouette
Area 8888.79 m²



Front Silhouette
Area 3371.80 m²



PORT PROFILE



CROSS SECTION

Statistics

Classification: *Unimorphic Vespene*
Category: *Unimorphic Vespene*
Class: *Unimorphic*
Type: *Isos*
Model: MK VII
Royal Construction Cost: 8400
Number Proposed: 5
Number Constructed: 5
Number in Service: 5
Number Lost:
Disposals:
Overall Dimensions (Meters)
 Length 2.19 m (7'2")
 Width 4.12m
 Height 8.18m
Primary Hull Dimensions (Meters)
 Length 14.6 m
 Width 4.12m
 Height 7.24m
Secondary Hull Dimensions (Meters)
 Length N/A
 Width N/A
 Height N/A
Warp Unit Dimensions (Meters)
 Length: 54.8 m
 Width 7.63m
 Height 18.12m
Displacement (Metric Tons)
 Light 96.109m
 Standard 2.3109m
 Full Load 234.348m
Performance:
 Impulse Drive: Dual Jet (J718EE4 FS)
 Impulse Engine Output: 8x10 MW
 Impulse Power Index: 0.94
 Max Cruising: 1
 Acceleration Rate:
 0.00-0.25 Impulse: 0.7x3 sec
 0.25-0.50 Impulse: 0.319 sec
 0.50-0.75 Impulse: 0.425 sec
 0.75-Full Impulse: 0.532 sec
 Warp Units: 2 Nuclei Units (SE527)-68
 Warp Engine Output: 2x10 MW
 Warp Power Index: 0.94

Optimum Speed War 1
Max Safe Cruising War 5
Emergency Speed War
Max Speed War 1
Destructive Speed War 2.47
Acceleration Power 3
Acceleration Time
War 1 War 3 4 sec
War 3 War 5 16 sec
War 3 War 4 24 sec
War 4 War 5 41 sec
War 5 War 6 77 sec
War 6 War 7 76 sec
War 7 War 8 66 sec
War 8 War 9 74 sec
War 9 War 10 71 sec
War 10 War 11 49 sec
War 11 War 12 26 95 sec
Duration Total
Standard 4 hrs
Maximum 4 hrs
Ship Complement 905
Officers
Crew (Excluding Captain) 487
Troops 7
Passengers 50
Emergency condition +8 3
Medical Facilities
Doctors 6
Nurses 12
Operating Room 4
Beds 6
Laboratories 25
Transporters Total 7
1 Person
3 Person 6
6 Person 6
13 Person 0
23 Person 6
Small Cargo 1
Medium Cargo 2
Large Cargo 7
Special Cargo:

Bugs
Mechanisms: 7X
Instructor Details:
 Low Capacity: 32000000
 Max Range: 64K
Cargo Characteristics:
 Standard: 4 go units 400
 Cargo capacity: 1000
Aircraft Specifications:
Docking Ports:
 Short Access Ways Total: 2
 Small Bay
 Medium Bay: 7
 Large Bay
 Super Bay
 Shortest R Standard: 30
 Work Area:
 Travel Path: 1
 Aquatic Shuttle: 7
 Light Shuttle: 3
 Standard Shuttle: 10
 Survey Shuttle: 0
 Heavy Shuttle: 0
 Cargo Shuttle:
 Assault Shuttle: 0
 Killer Bees: 3
 Fighter: 2
 Landbase: 40
 Turbostat (8 percent): 24
 Lifboat (10 percent): 27
 Lifboat (20 percent): 4
 Lifboat (30 percent): 3
Classical Devices:
Sensor Index Values:
 Planetary Survey: 1 'E8'
 Stellar Survey: 1 'ZC'
 Short Range: 0.8914
 Long Range: .7948
 Navigation: 5567
 Spectral: 2430
Complexity:
 Type: system Diatomic IIIA
 Type: system Diatomic IIIB

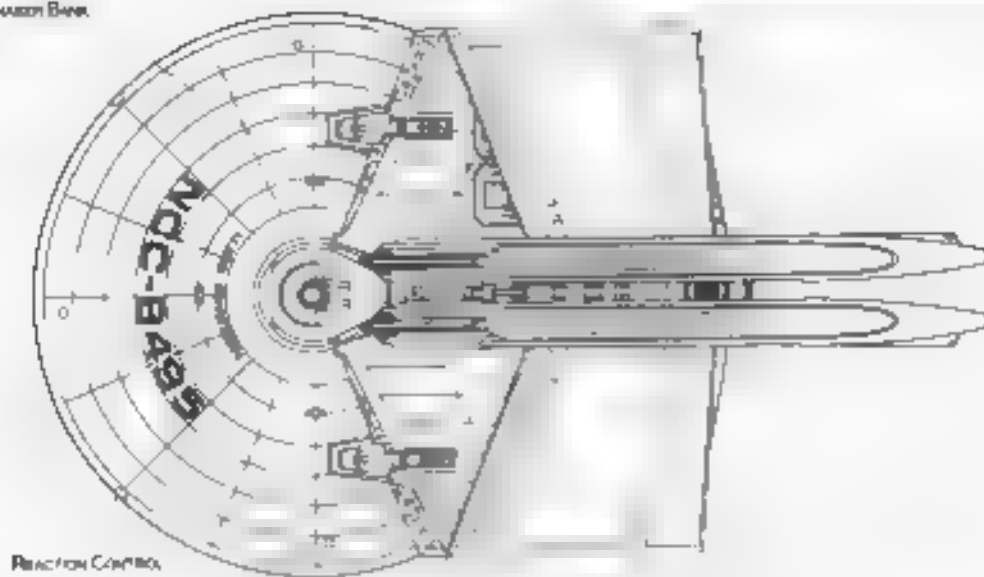
SLM Index: 1000000
Shield Rating:
 Shield Index: 0.00
 Shield Power: 2.00e+00 W
 Refresh Rate: 0.0e+00 W
 Breakdown Rate: 0.0e+00 W
 Shield Dynamics (Meters)
 Length: 0.00
 Width: 0.00
 Height: 0.00
Weapons:
 Phase Power Index: 0.00
 Photon Power Index: 0.00
 Vessel Power Index: 0.00
 Weapon Placement
 Beam (Phasers) Total: 0.00e+00
 Output: 0.00 W
 Range: 0.00 m
 Rate of Fire: 0.00 /s
 Forward Banks: 0
 Rear Banks: 0
 Port Banks: 0
 Starboard Banks: 0
 Upper Banks: 0
 Lower Banks: 0
 Beam (MegaPhasers) Total: 0.00
 Output: 0.00 W
 Range: 0.00 m
 Rate of Fire: 0.00 /s
 Forward/Rear Banks: 0
 Port/Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photon) Total: 0.00
 Stock: 0.00
 Range: 0.00 m
 Output: 0.00 W
 Rate of Fire: 0.00 /s
 Forward Bay: 0
 Rear Bay: 0
 Port Bay: 0
 Starboard Bay: 0
 Upper Bay: 0
 Lower Bay: 0

TIMESLIP CRUISER

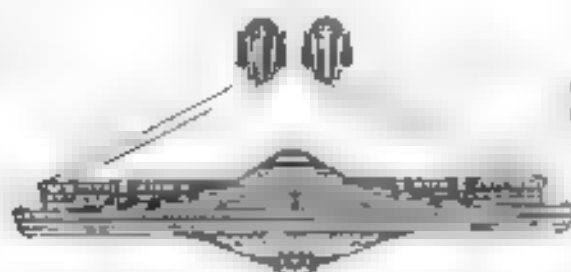


PHASER BANK

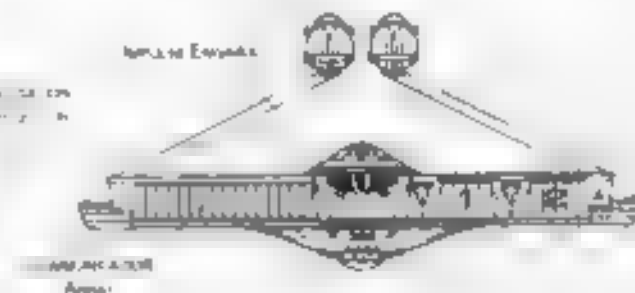
DEPLOYMENT CRADLE

REACTION CONTROL
THRUSTERS

TOP PROFILE



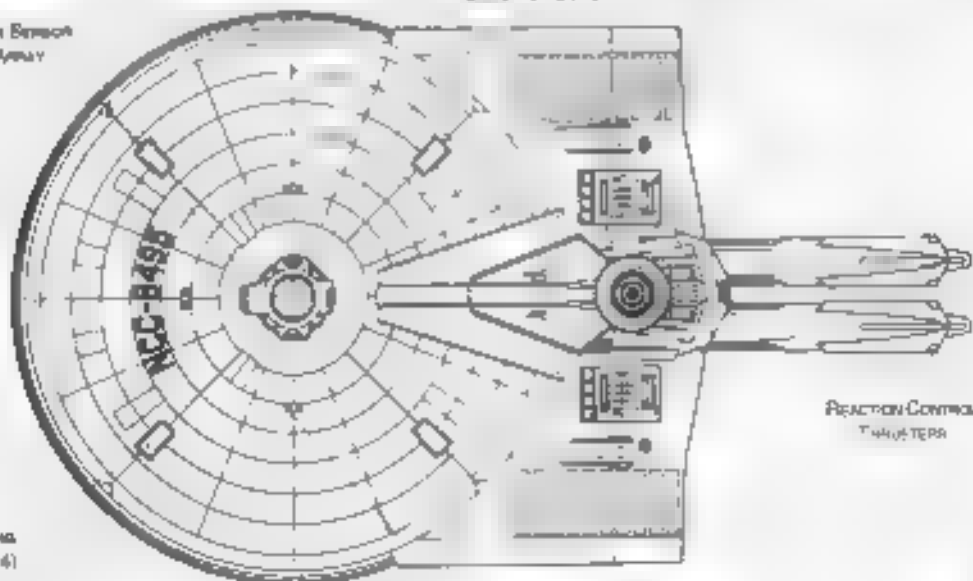
FRONT PROFILE



REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION DECK

LANDING BAY
DOORSLANDING
PAC (4)REACTION CONTROL
THRUSTERS

PHASER BANK

BOTTOM PROFILE

 METERS
 0 20 30 40 50



TIMESLIP CRUISER

Ship Names

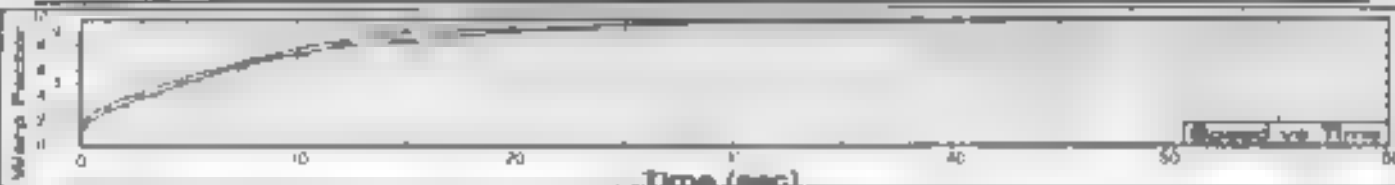
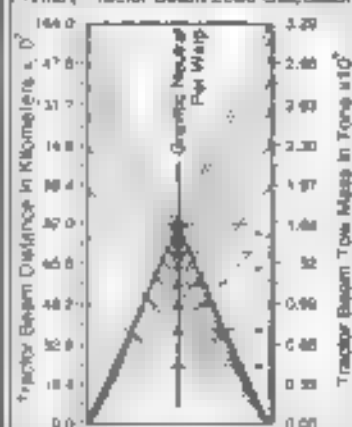
THE FOLLOWING SHIPS OF THE MK-VII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2275.2

EINSTEIN NCC 4499
 GALT NCC 3440
 HAWKING NCC 3490
 JPLAKE NCC 4405
 NEWTON NCC 8497

CLASS NAME, TIGHT IN THE LINE OF DUTY... PROPOSED. ALL NAMES PRECEDED WITH "U.S.S."

Specifications

Primary Tractor Beam sized Calculator



Field Length: 1000 m
 Field Width: 1000 m
 Field Height: 1000 m



Front Warp Field Profile
 Cross Section Area 17983.84 m²



Port Warp Field Profile
 Cross Section Area 27188.08 m²



Top Warp Field Profile
 Cross Section Area 25808.18 m²

WARP FIELDS

SRM2 04:05:05:04

STARFLEET REFERENCE MANUAL

EINSTEIN CLASS

HYPERION VESSEL

HOSPITAL SHIP



General Information

Specific Role: The Hospital Ship is a mobile medical facility providing support and emergency medical care throughout the Federation. The ship is equipped with extensive laboratories and medical facilities for the on-site treatment of patients. As a cost-saving measure the ship is a modified Oberth Class research vessel upper section.

Physical Description: The (SR103/M E4) ship is equipped with additional research systems and laboratories. The vessel is equipped with a (SM 1.5) bridge which incorporates additional research instrumentation. On the lower part of the hull is the (SM 5.5) main sensor array and (DN2 3D) navigational dome. Positioned forward of the bridge is a (BP2 30 20) phaser bank. At the rear of the primary hull are (SG 16/1-ED) dual impulse engines which are used for auxiliary power and sub-warp propulsion. The vessel's warp fields are generated by two (SI 38 1 2A) warp nacelles attached to each side of the hull. Running horizontally between the nacelles is the (M20 1 2) antiproton chamber installed in the rear of the hull. The (AM 1 5 2) matter antimatter storage tanks for emergency jettisoning. On the front of the hull is a small cargo deck being underneath the primary hull by two (DI 10 5) defense turrets. There is a (SI 10 2) secondary hull. The secondary hull is equipped with extensive medical facilities and a small cargo deck. In the event of an emergency the primary hull will separate from the one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

Total Target Area: 18045.29 m²



Top Silhouette
Area: 10419.08 m²



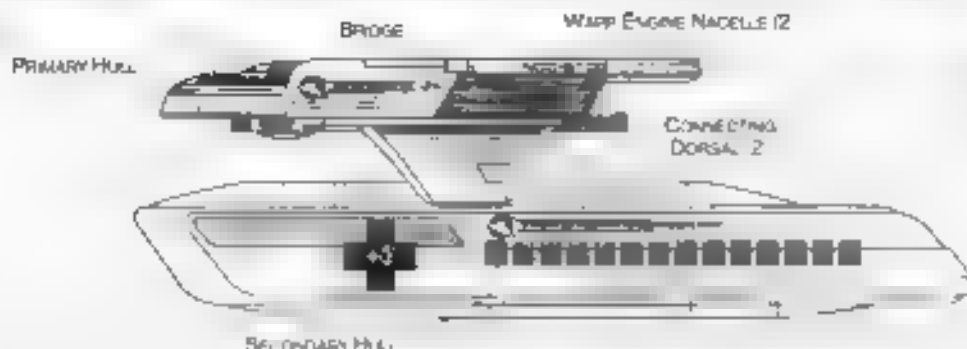
Front Silhouette
Area: 8115.04 m²



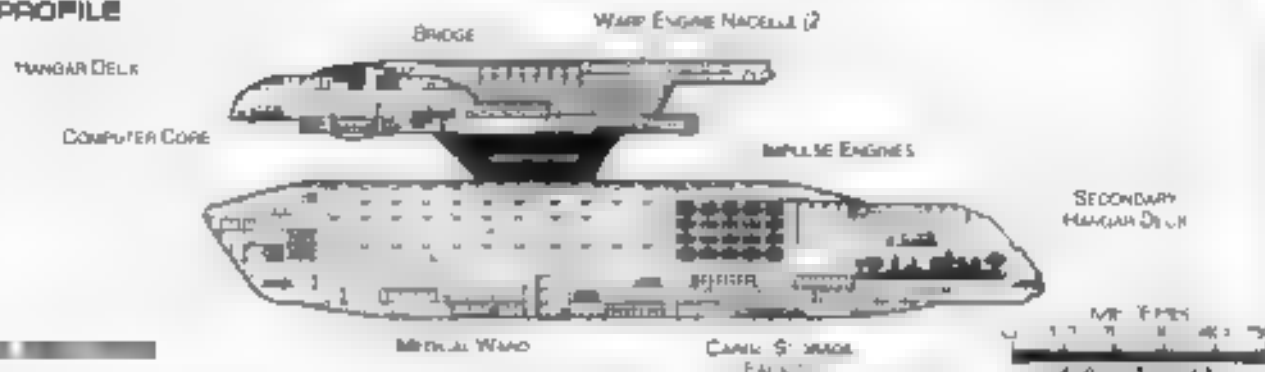


HOSPITAL SHIP

ANGUEIRA CLASS



PORT PROFILE



Statistics

Classification: Hospital Ship

Category: Medical Ship

Class: Angueira

Type: Ship

Model: MA VIII

Naval Construction Contract: 8100

Number Proposed: 9

Number Constructed: 47

Number in Service: 9

Number Lost: 8

Dimensions:

Overall Dimensions (Meters)

Length: 114.4 m

Width: 12.4 m

Height: 6m

Primary Hull Dimensions (Meters)

Length: 41 m

Width: 40.07m

Height: 22m

Secondary Hull Dimensions (Meters)

Length: 65.9m

Width: 41.53m

Height: 18.94m

Warp Unit Dimensions (Meters)

Length: 83.09m

Width: 25m

Height: 21.4m

Displacement (Metric Tons)

Light: 42,754t

Standard: 45,829mt

Full Load: 51,158mt

Performance:

Impulse Units: Dual Unit (SR10E3-ED)

Impulse Engines Output: 8,000,000 W

Impulse Power Index: 4.3

Max Cruising C:

Acceleration Rate:

0.00-0.25 impulses: 0.86 sec

0.25-0.50 impulses: 0.278 sec

0.50-0.75 impulses: 0.071 sec

0.75-Full Impulses: 0.484 sec

Warp Units: 2 nacelle units SU38A-2AJ

Warp Engines Output: 22x10⁶ W

Warp Power Index: 0.68

Optimum Speed: Warp 4

Max Safe Landing: Warp 5

Emergency Speed: Warp 7

Max Speed: Warp 8

Destructive Speed: Warp 8.98

Acceleration Power:

Acceleration Times:

Warp 1 Warp 2 1hr sec

Warp 2 Warp 3 404 sec

Warp 3 Warp 4 4 sec

Warp 4 Warp 5 1 sec

Warp 5 Warp 6 1.69 sec

Warp 6 Warp 7 0.4 sec

Warp 7 Warp 8 4 sec

Warp 8 Warp 9 5.35 sec

Warp 9 Warp 10 892 sec

Warp 10 Warp 11 73 sec

Warp 11 Warp 12 26.584 sec

Duration (Years)

Standard: 4 years

Maximum: 20 years

B&B Ship Complement: 22

Officers:

Crew (Ensign Grade): 90

Troops: 4

Passengers: 2

Emergency condition: -200

Medical Facilities:

Doctors:

Nurses: 42

Operating Rooms: 10

Beds: 20

Laboratories: 2

Transporters Total: 4

1 Person: 1

2 Person: 3

3 Person: 2

12 Person: 0

22 Person: 1

Small Cargo: 1

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Bridge:

Escalators: 3

Tronics Rooms:

Two Jeppies: 1 Jeppie

Max Range: 4 Mm (Mm)

Cargo Specifications:

Standard Cargo Carts: 83

Cargo Capacity: 4 Mm

Structural Specifications:

Docking Ports:

Structural Bays Total: 2

Small Bay: 1

Medium Bay: 1

Large Bay: 0

Super Bay: 0

Starboard Standby: 10

Work Bay: 1

Travel Pods: 1

Apexis Shuttle:

Light Shuttle: 1

Standard Shuttle: 4

Medical Shuttle: 8

Heavy Shuttle: 0

Small Shuttle: 0

Medium Shuttle: 0

Starboard: 0

Upper Deck: 0

Flight Deck: 0

Lifelines: 15

Turbine 95 percent: 10

Lifeline (10 percent): 1

Lifeline (20 percent): 1

Lifeline (30 percent): 0

Clanking Devices: 0

Reactor Index Values:

Planetary Survey: 0.8042

Starboard Survey: 0.7772

Starboard Range: 0.3804

Long Range: 0.5884

Navigation: 0.3755

Special: 0.3451

Composites: 1

Type: Devtron Ductone II y

Type: Devtron Ductone II n

ECM Index: 10

Shield Rating:

Shield Index: 2.77

Holdoff Power: 87x 0.12 W

Holdoff Rate: 4.78x10⁶ W

Breakdown Rate: 5.73x 10⁶ W

Shield Dimensions (Meters)

Length: 10.4m

Width: 10.4m

Height: 10.4m

Weapons:

Photon Power Index: 0.479

Photon Power Index: 0.00

Vessel Power Index: 0.040

Weapon Placement:

Beam (Photon) Total: 1 beam 2 each

Output: 5.1x 10⁶ W 2.0x10⁶ W

Range: 2.5x 10⁶ km

Rate of Fire: 30 ppm Cont

Forward Banks:

Rear Banks: 0

Port Banks: 0

Starboard Banks: 0

Upper Banks: 0

Lower Banks: 0

Beam (High/Power) Total: 0

Output: N/A

Range: N/A

Rate of Fire: N/A

Forward/Rear Banks: 0

Port/Starboard Banks: 0

Upper/Lower Banks: 0

Torpedoes (Photon) Total: N/A

Stock: N/A

Range: N/A

Output: N/A

Rate of Fire: N/A

Forward Bay: 0

Rear Bay: 0

Port Bay: 0

Starboard Bay: 0

Upper Bay: 0

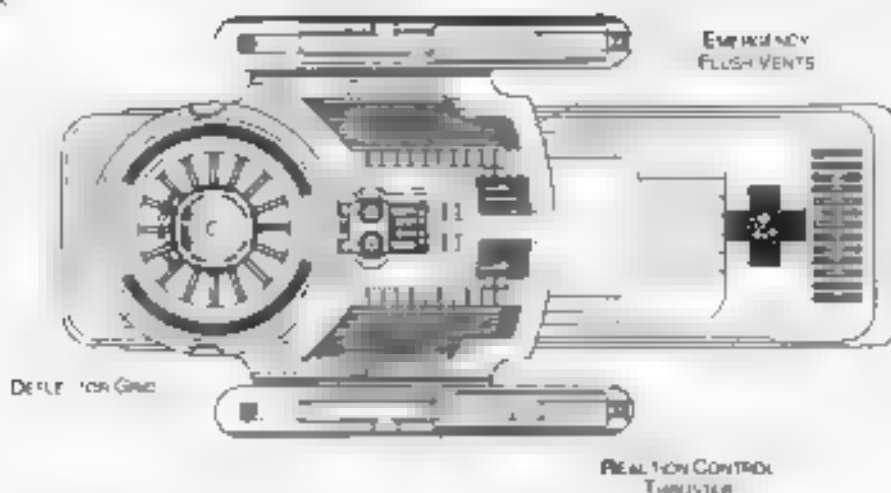
Lower Bay: 0

FEDERATION VESSEL

HOSPITAL SHIP



PHASER BANK



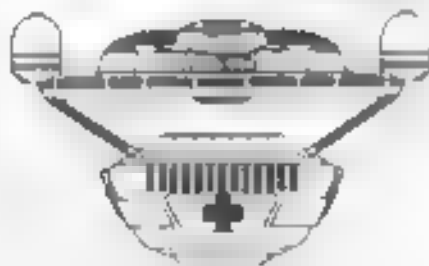
DEFLECTOR GRID

EMERGENCY
FLUSH VENTS

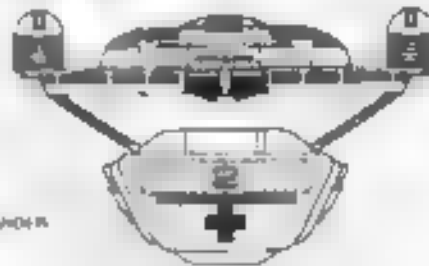
REACTION CONTROL
THRUSTERS

TOP PROFILE

HANDGUN DECK

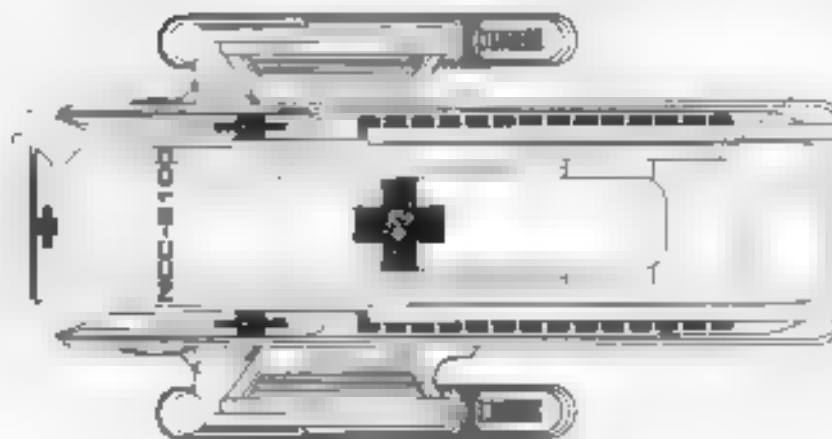


REAR ENGINE

SECONDARY HANDGUN
DECK


FRONT PROFILE

REAR PROFILE

SECONDARY
HULL


BOTTOM PROFILE

METERS
0 10 20 30 40 50
SCALE 1:1000



Ship Names

THE FOLLOWING SHIPS OF THE MK-VII CLASS WERE AUTHORIZED BY THE AMENDED ARTICLES OF FEDERATION OF STARDATE 2005.3

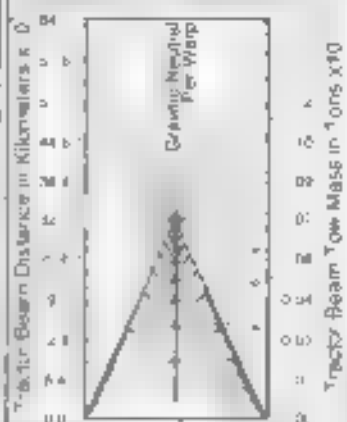
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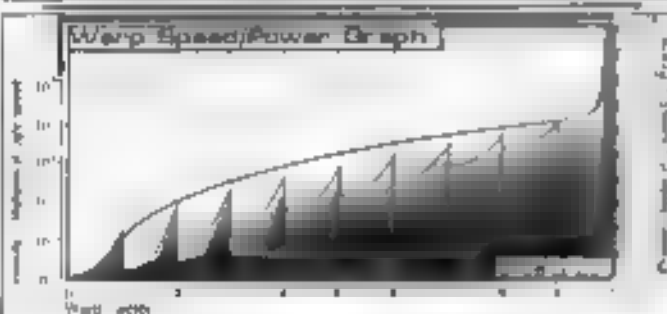
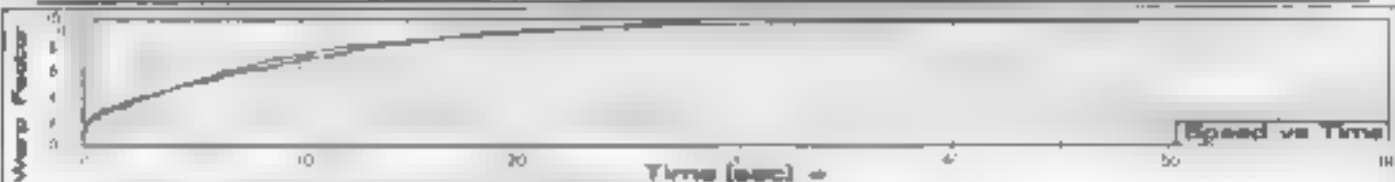
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Tractor Beam Specifications

Submitted: 10/10/2010; Accepted: 12/1/2010



*CLARENCE #102. LOST IN THE JOE OF ONLY. THROUSSED ALL NAMES RECORDED WITH "LAW."

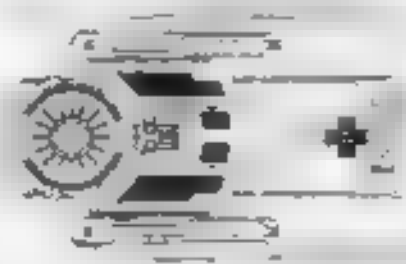


Product	Weight	Price
Product A	100g	\$1.50
Product B	200g	\$2.50
Product C	300g	\$3.50



Front Wave Field Profile

Excess Budgeted Area 2800.00 m



Port Warp Field Profiles

Crude biomass: Area 85918.28 m²

WARP FIELDS

Top Warp Field Profiles

Cross Section Area 6097.83 m²

MEDICAL FRIGATE



General Information

Specific Role: The Medical Frigate is a mobile medical facility providing support and emergency medical care throughout the Federation. The frigate is equipped with extensive laboratories and medical facilities for on-site treatment of patients.

Physical Description: The extended P41E234 M F2 primary hull is outfitted with extensive medical facilities and the (B59 M F6) bridge incorporates a larger tracking and surveillance station. On the lower part of the primary hull is the SM49-3V main sensor array and (DN4-3 F) navigational dome. Located on the port, starboard, and bow of the primary hull both top and bottom are six (P12-30-2C) phaser banks. Port and starboard on the upper primary hull forward of the raised extension are the (DN2/L-4-2) navigational deflectors used to assist the navigational shields in deflecting oncoming debris. Two medical hangar decks are installed, one on either side of the impulse engines. In the rear of the mid extension. To the rear of the primary hull are (P186E-5 QD) dual impulse units which are used for auxiliary power and sub-warp propulsion. The frigate's warp fields are generated by two SW32-5KV warp nacelles attached to the underside of the primary hull by (DL-25-6S) support pylons. Inside the primary hull are the M28-4-411 intermix chamber and (AMB-16-4E) matter/antimatter storage tanks. The storage tanks are located below the impulse engines for emergency jettisoning. In the event of an emergency, the primary hull can separate from one or both of the warp nacelles and proceed on the remaining nacelle or impulse power.

Class Emblem



Ship Silhouettes

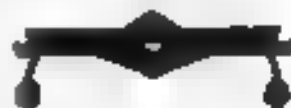
Total Target Area 39924.84 m²



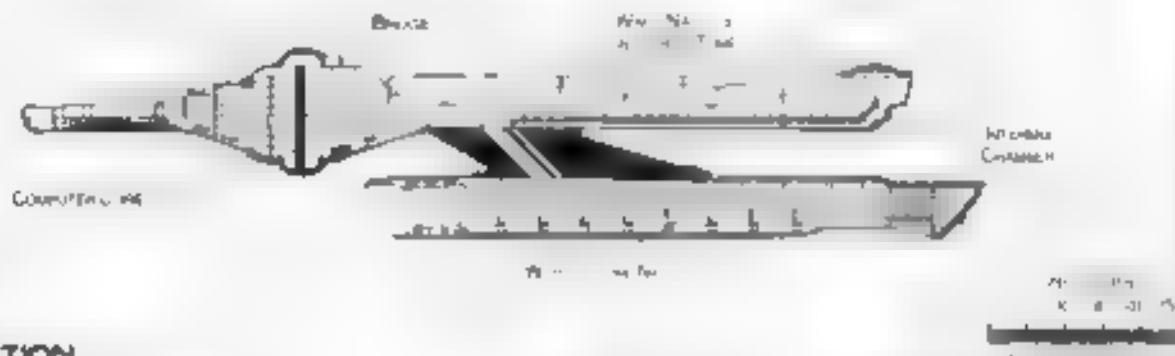
Top Silhouette
Area 41218.52 m²



Port Silhouette
Area 9817.00 m²



Front Silhouette
Area 2999.32 m²



亡命口由由 傷SECTION

Statistics

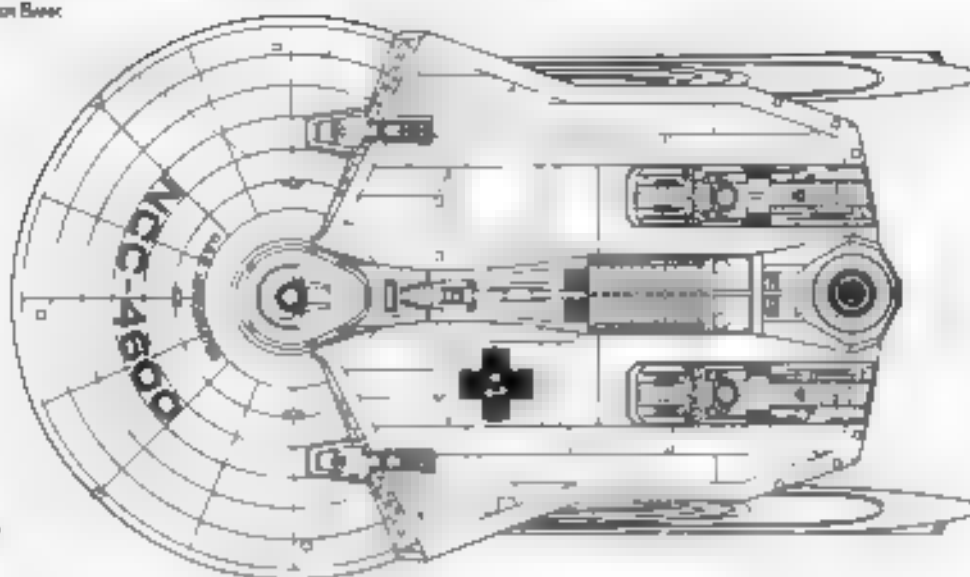
24 M Index: 100
 Shield Rating:
 Shield Index 0.48
 Shieldoff Power 7450 W
 Shieldon Rate 4.94x10 W
 Breakdown Rate 4/5 W
 Shield (Maximums) (Minimums)
 Length 4.4 m
 Width 1 m
 Height 6.2 m
 Weapons
 Phaser Power Index 0.79
 Photon Power Index 00
 Taser Power Index 0.30
 Weapon Placement
 Beam (Phasers) Total 8 Beam 2 Beam
 Output 4.4x10 W 2.5x10 W
 Range 5.5 km
 Rate of Fire 10000 Com
 Forward Banks: 2
 Aft Banks: 0
 Port Banks: 2
 Starboard Banks: 2
 Upper Banks: 0
 Lower Banks: 0
 Beam (MegaPhasers) Total: 0
 Output N/A
 Range N/A
 Rate of Fire: N/A
 Forward/Rear Banks: 0
 Port Starboard Banks: 0
 Upper/Lower Banks: 0
 Torpedoes (Photons) Total: N/A
 Stock N/A
 Range N/A
 Output N/A
 Rate of Fire N/A
 Forward Bay 0
 Rear Bay 0
 Port Bay 0
 Starboard Bay: 0
 Upper Bay 0
 Lower Bay 0

MEDICAL FRIGATE



PULSER BARRIS

DEFLECTOR GRID

REACTION CONTROL
THRUSTERS

TOP PROFILE

NAVIGATION DEFLECTOR



FRONT PROFILE

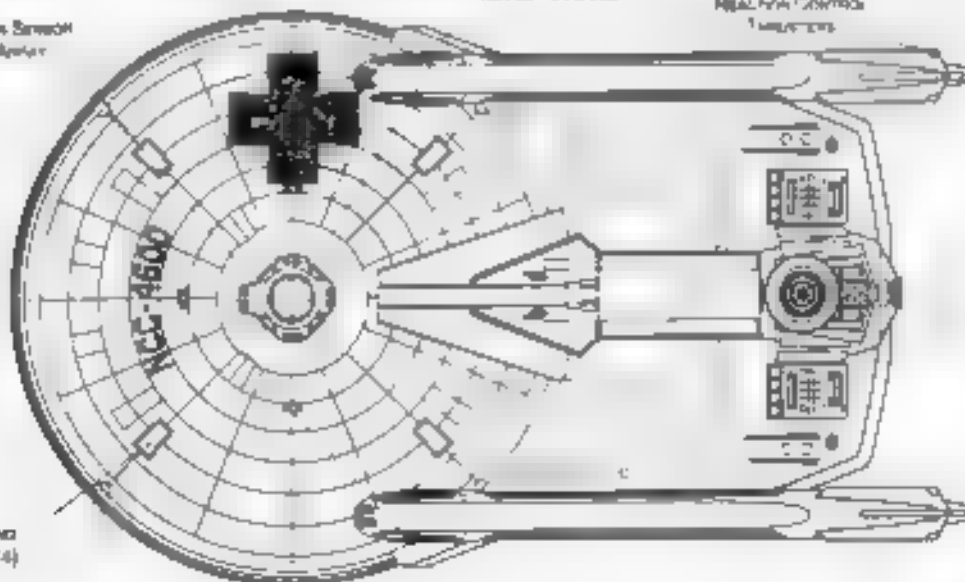
REAR DEFLECTOR

PROXIMITY DETECTING
PISTOLLANDING BAY
DOORS

REAR PROFILE

MAIN SENSOR
ARRAY

NAVIGATION DOME

REACTION CONTROL
THRUSTERSLANDING
BAY (4)

BOTTOM PROFILE

PULSER BARRIS

MEASURING
0 10 20 30 40 50



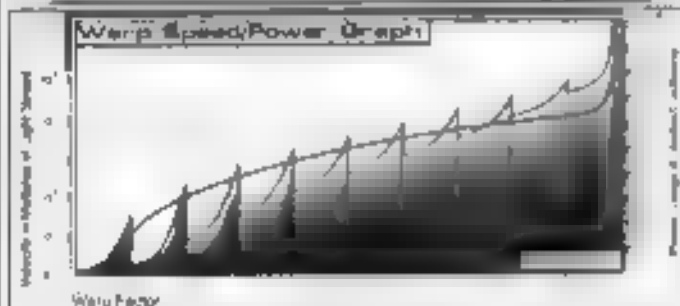
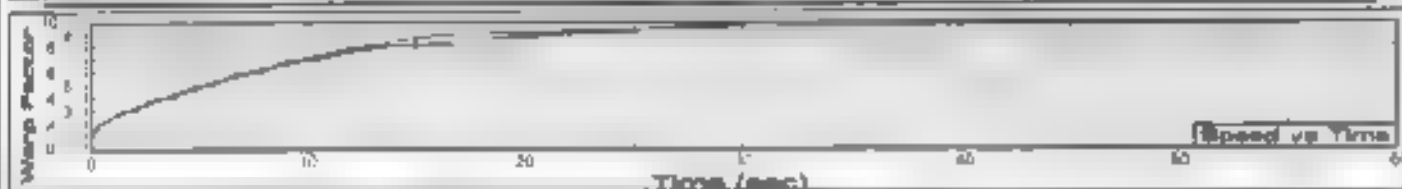
Ship Names

Tractor Beam Specifications

Program: Tractor Beam Load Calculator

[illegible]

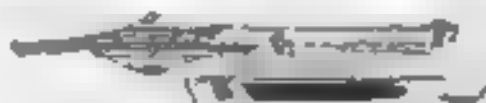
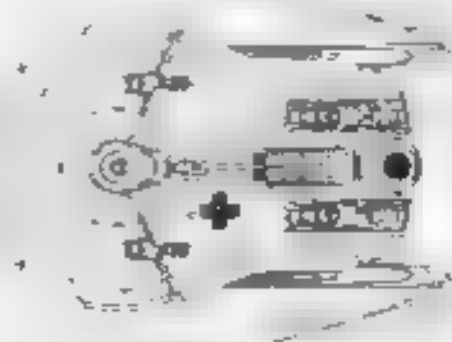
~~CLASSIFIED LOST IN THE LINE OF DUTY~~ ~~THROUGHOUT ALL NAMES RECORDED WITH "M.A.S."~~



Paper Length: 28.1 cm
 Paper Width: 20.7 cm
 Paper Volume: 100.71 cm



Front Warp Field Profile
Cross Section Area: 1294.68 in²

Port Warp Field Profile
 Gross Bottom Area 285000 m²

Top Warp Field Profile
Cross Section Area 20073.04 m²

WARP FIELDS

SRM2 04:06:02:04

STARFLEET REFERENCE MANUAL

—HPODFH—IE3 QCM—

— 1304 PM 11/10/11 WBSB

MEDICAL CONTAINER



Statistics

Classification: Medical Container

Category: Container

Type: Class 7

Model: MK-XII

Dimensions:

Overall Dimensions (Meters)

Length: 235.05m

Width: 48.00m

Height: 48.00m

Displacement (Metric Tons)

Standard: 115,938m

Full Load: 342,814m

Duration (Years)

Standard: 15 Years

Maximum: 20 Years

Std. Container Complement: 550

Officers: 100

Crew (Knaiga Grade): 450

Passengers: 1000

Emergency condition: +1000

Medical Facilities:

Doctors: 100

Nurses: 500

Operating Rooms: 80

Beds: 3000

Transporters Total: 18

1 Person: 0

2 Person: 0

4 Person: 8

12 Person: 0

22 Person: 4

Small Cargo: 4

Medium Cargo: 0

Large Cargo: 0

Super Cargo: 0

Mega Cargo: 0

Tractor Beams: 0

Tow Capacity: N/A

Max. Range: N/A

Cargo Specifications:

Standard Cargo Units: 187

Cargo Capacity: 9,360m

Deck Height: 2.4m

Shuttlecraft Specifications:

Shuttlecraft Bays Total: 12

Small Bay: 12

Medium Bay: 0

Large Bay: 0

Super Bay: 0

Shuttlecraft Standard: 15

Work Bee: 0

Travel Pod: 0

Light Shuttle: 6

Aquatic Shuttle: 0

Shuttle Standard: 6

Heavy Shuttle: 0

Medical Shuttle: 10

Heavy Fighter: 0

Lifboats: 35

Turbolift (8 person): 15

Lifboat (10 person): 0

Lifboat (20 person): 0

Lifboat (30 person): 20

Docking Rings: 2

Sensor Unit Values:

Planetary Survey: 0.020

Short Range: 0.020

Long Range: 0.020

Navigation: 0.020

Special: 0.020

Computers: 1

Type: Daystrom Quotonic III

Shield Rating:

Holdoff Power: 3.24×10^8

Refresh Rate: 9.21×10^7

Shield Dimensions (Meters)

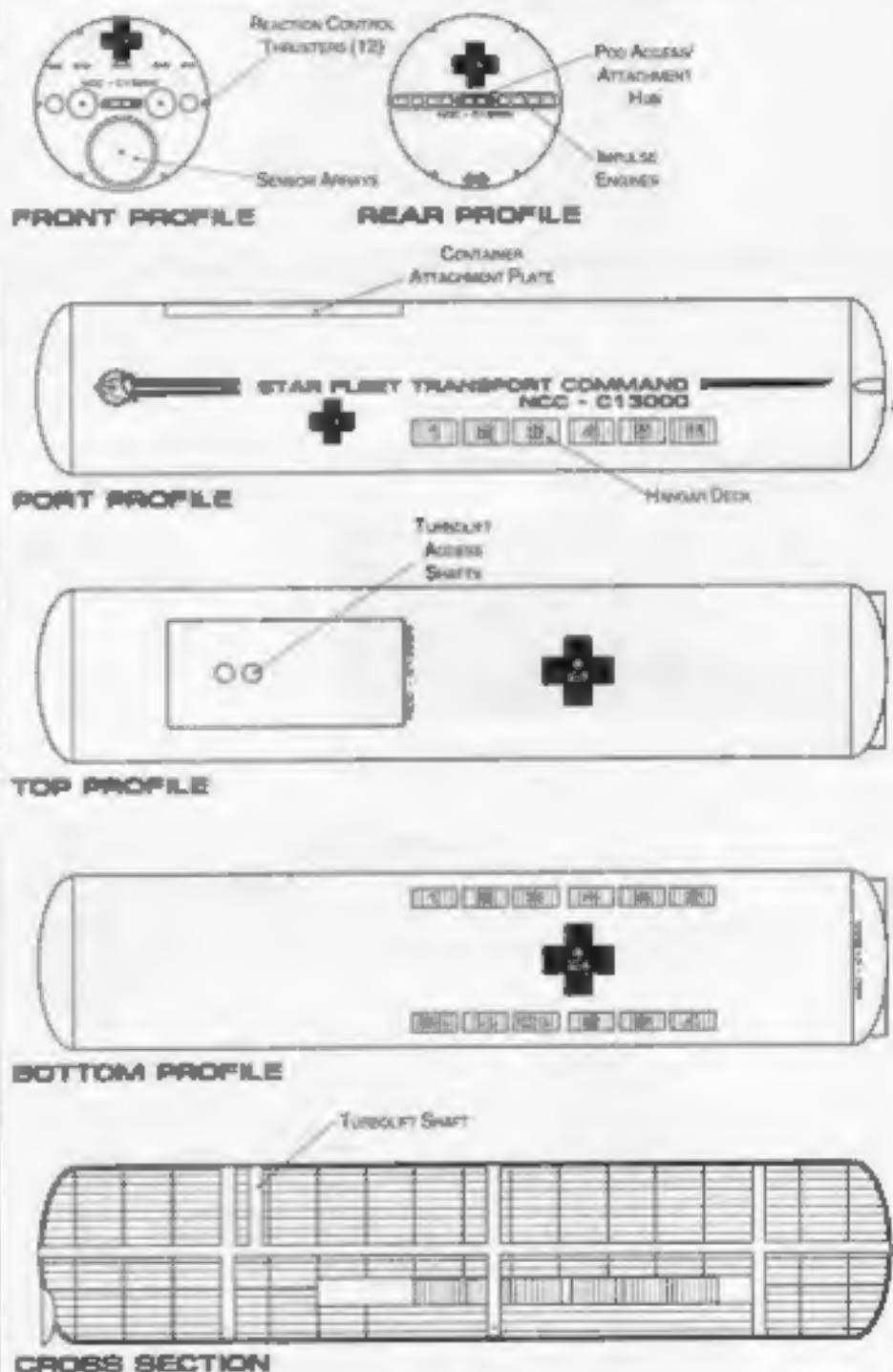
Length: 282.01m

Width: 57.6m

Height: 57.6m

General Information

The Medical Container is a independent mobile medical facility providing support and emergency medical care throughout the Federation. The container is also equipped with a twelve-bay hangar deck used for patient transfer.



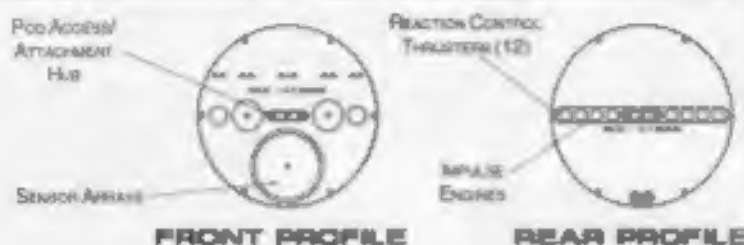
METERS
0 10 20 30 40 50
SCALE 1:2000



STATION CONTAINER

General Information

The Station Container is a hub for the attachment of various containers. The container is equipped with extensive support equipment and auxiliary power. The container is also equipped with a six-bay hangar deck used for auxiliary hangar space.

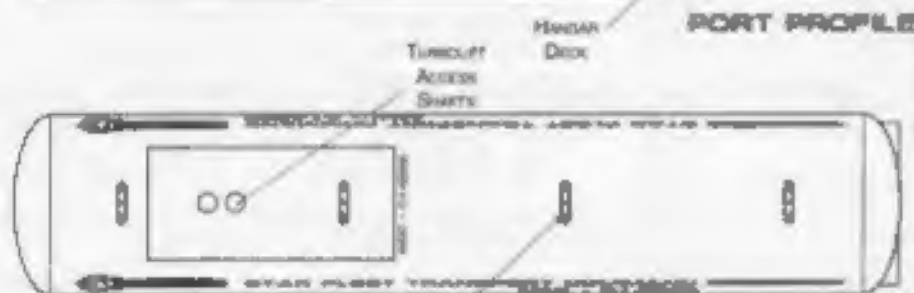


FRONT PROFILE

REAR PROFILE



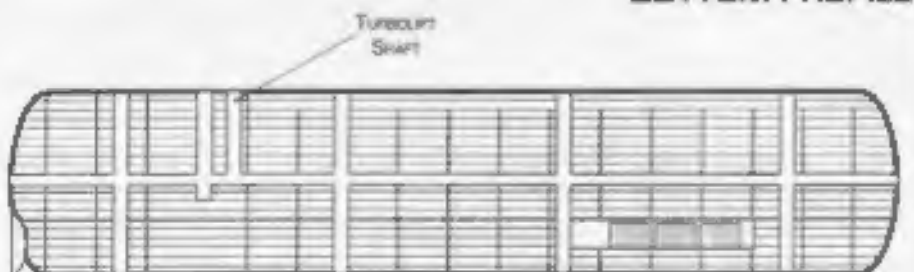
PORT PROFILE



TOP PROFILE



BOTTOM PROFILE



CROSS SECTION

METERS
0 10 20 30 40 50
SCALE 1:2000



CONTAINER SETUP

Statistics

Classification: Station Container
Category: Container
Type: Class 7
Model: MK-XIV
Dimensions:
Overall Dimensions (Meters)
Length: 235.05m
Width: 48.00m
Height: 48.00m
Displacement (Metric Tons)
Standard: 116,914mt
Full Load: 348,742mt
Duration (Years)
Standard: 15 Years
Maximum: 20 Years
Std. Container Complement: 150
Officers: 26
Crew (Ensign Grade): 130
Passengers: 200
Emergency condition: +200
Medical Facilities:
Doctors: 4
Nurses: 20
Operating Rooms: 3
Beds: 20
Transporters Total: 24
1 Person: 0
2 Person: 0
6 Person: 8
12 Person: 0
22 Person: 8
Small Cargo: 4
Medium Cargo: 4
Large Cargo: 0
Super Cargo: 0
Mega Cargo: 0
Tractor Beams: 1
Ton Capacity: 4.67×10^6 mt
Max Range: 1.03×10^9 km
Cargo Specifications:
Standard Cargo Units: 187
Cargo Capacity: 9,350mt
Deck Height: 2.4m
Shuttlecraft Specifications:
Shuttlecraft Bays Total: 8
Small Bay: 6
Medium Bay: 0
Large Bay: 0
Super Bay: 0
Shuttlecraft Standard: 31
Work Bee: 4
Travel Pod: 4
Light Shuttle: 4
Aquatic Shuttle: 2
Shuttle Standard: 8
Heavy Shuttle: 3
Medical Shuttle: 2
Cargo Shuttle: 4
Lifeboats: 50
Turbolift (8 person): 20
Lifeboat (10 person): 5
Lifeboat (20 person): 5
Lifeboat (30 person): 20
Docking Rings: 2
Sensor Input Values:
Planetary Survey: 0.020
Short Range: 0.020
Long Range: 0.020
Navigation: 0.020
Special: 0.020
Computers: 1
Type: Daystrom Duobronic 1b
Shield Rating:
Weldoff Power: 3.24×10^8
Refresh Rate: 9.21×10^7
Shield Dimensions (Meters)
Length: 282.01m
Width: 57.6m
Height: 57.6m

DELIVERANCE CLASS

FEDERATION CONTAINER

CLOSING



Closing Information

Closing

First off I would like to express my thanks to you for purchasing this book. I have tried to give the most information that I can for each ship without reducing the number of ships described. This in turn has lead to small print. I hope that this is not an inconvenience to anyone and if it is, I would like to express my deepest apology.

Stardate Errata

In place of the stardates, I have used the actual YEAR.MONTH due to the fact that I can not get an accurate stardate, as every group has a stardate system that while close do not all match (Some systems differ by as much as 50 years). To achieve the stardate you need just use the date given and apply it to the stardate system you are acquainted with.

Warspeed Errata

I have had a number of people inquire as to why I have used the new warp curve system on older ships. The thing to understand here is that this curve also fits the older ships and is simply a conversion; when I get around to drawing the new ships the statistics will match and a ship to ship comparison can be made. A conversion chart has been included at the beginning of the ship section so that you can convert back to the old warp numbers.

Dimension Corrections

Due to a corrupted computer program many of the dimensions in my second book were off by 4.3% to 5.7%. This has been fixed in this book and in the reprints of SRM Vol. 1. I'm sorry for the error but the book was already printed before the error was noticed.

Acknowledgements

I would like to acknowledge the many people, places, movies, magazines and reference materials that I have used to get the most accurate information for my work.

I would like to thank the following magazines: Starlog, Future, Fantastic Films, Challenge, Stardate, Cinefix, Science Fiction Modeling, Fine Scale Modeler, Galactic Engineers Concordance and Digest Group for all the photos and excellent articles and insight that these magazines have given me in my research.

I would also like to thank all the people who were involved in the original stories and artwork creations. By looking at their models, photos, sketches and story lines I was able to draw additional craft that I hope still retained much of the flavor of the original story. I am sorry that I am not able to list their names, but in many instances I have no idea who these individuals are.

Special thanks to my wife RoseAnna for her help with the naming of ships in this book and for her putting up with my crazy work hours to finish it, thanks honey again.

And special thanks to Joshua and Michael Babunovic for their suggestions that I have used in this book.

Thanks going to Sid Deavours and his side-kick Steve Woodard at Star Books and Comics for giving me a supply for my Sci-Fi fix. I would like to thank Alex Rosenzweig for his help in the NCC numbering by sending me a copy of his ship database which saved me a large amount of time.

I would also like to make note of Roy Firestone for his publication Galactic Engineers Concordance which is a non profit Techline that he publishes which is made up of contributions from his readers. Various articles that have been included have helped in my train of thought for creating my starship designs. Thanks to Roy and the contributors of GEC.

I would like to thank Paul Hollingsworth for his suggestions and proofing that helped me catch two very stupid errors that might have slipped through if he had not spotted them.

Special thanks go out to Chris Hatfield, and Bill Howe for spending nights and nights and nights helping to flesh out the text (going blind as Chris puts it) giving the ships more life.

I would like to give special thanks Don Shanks and Magoe Kristiansen for their proof reading and editing of my text and drawings.

And finally, Tiny I'm still not worthy.

Jackill's Engineers

Chris Hatfield (C1), Dr. Eugenio Anguerra III (E2), Mark Wilson (E2-3), Shane Johnson (E2), Roger Sorenson (E1-2), Michael Alexander (E1), Scott Bell (E1+), Don Corson (E1), Cliff Maxwell (E1), Alex Rosenzweig (E1), Thomas Sasser (E1), Don Shanks (E1).

Thanks for the contributions

I would like to thank Dr. Eugenio Anguerra III for the drawings he sent me that led to the Through Deck Cruiser, Escort Cruiser and Timeship Cruiser and for suggestions that he made to help make this book more professional.

I would also like to thank Cliff Maxwell for the drawings he sent that with just a few modifications became the Strike Cruiser.

And finally I would like to thank Don Corson, who I had to track down to get his permission to use his Survey Cruiser that has appeared in various publications and I felt should be included in this one. Don's only request is that I change nothing of his original design. If I have, this was done in error. The only change that has been made are the warp speeds, please note that the creator feels that the cruiser has a cruising speed of warp 8 and an emergency speed of warp 12, these were the only changes made to have the ship fit the rest of the book.

What it took for this book

I want to include a little information on what it took to produce this book. My first book was Jackill's Guide to Light Attack Craft (Volume 1) which was produced using MacDraw II.

For my second and third book I switched to Canvas 3. While having its own drawbacks, Canvas has so much more power that I am able to produce a more professional product. Additional programs that I have used are WingZ (spreadsheet program used to calculate the ship statistics and warp speed conversions); Cricket Graph, Delta Graph Pro (graphing programs to produce the graphs); MacWrite Pro (word processing program used to write the text); and a few other programs that have helped in small ways but are too numerous to list.

This book took up over 46.5 Meg (my first book was around 6 Meg and my second around 32 Meg) with each individual file taking up over 1 Meg each. The book contains 27,993 words (which works out to 134,373 characters, just in case you wanted to know) and 252,533 drawing elements (lines, circles, squares, etc.). The largest file is the WorkBee section that is over 8 meg, the second is the Communication Station that is over 3 meg (and made up of over 9000 triangles, what a pain to draw, which was required to produce the most accurate drawing). I hope you enjoy the improved printing quality of this book, it's printed at 600dpi as compared to the last that was printed at 300dpi.

Gripe

To anyone out there who is stupid enough to create and knowingly pass on computer viruses, you came very close to hurting yourself. If I wasn't an avid believer in backups, I could have lost a large section of this book due to corrupted files. So if you think viruses can only hurt other people, think again.

Warnings & Disclaimers

HANDLE WITH EXTREME CARE: This book contains minute electrically charged particles moving at velocities in excess of five hundred million miles per hour.

COMPONENT EQUIVALENCY NOTICE: The subatomic particles (electrons, protons, etc.) comprising this book are exactly the same in every measurable respect as those used in other books, and no claim to the contrary may legitimately be expressed or implied.

IMPORTANT NOTICE: The entire physical universe, including this book, may one day collapse back into a infinitesimally small space. Should another universe subsequently re-emerge, the existence of this book in that universe cannot be guaranteed.

NOTE: Any reference to any lifeform living, dead or hallucinatory is purely coincidental.

Jackill's
STAR FLEET REFERENCE MANUAL
Ships of the Fleet
Volume II



2